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$C_5H_9O_3K$. Butylpotassium carbonate, preparation, properties, 1798.

$C_5H_9O_3Na$. Butylsodium carbonate, preparation, properties, transformations, 1797.

$C_5H_9O_3Rb$. Butylrubidium carbonate, preparation, properties, 1798.

$C_5H_{10}OBr_2$. Bromide of 2-ethylallyl alcohol, 1616.

$C_5H_{10}OCl_2$. Dichloroethyl isopropyl ether, preparation, properties, 1773; reaction with isopropyl alcohol, 2423.

$C_5H_{11}OCl$. Chloromethylbutyl ether, reaction with salts of di-β-alkoxyethylphosphorous acids, 2239.

$C_5H_{11}ON_3$. 1) Amide of dl-norvaline, synthesis, 1624.

2) Amide of dl-valine, synthesis, 1624.

5. IV

$C_5H_4ON_2Cu$. Copper salt of the oxime of 2-pyrrolaldehyde, 301.

$C_5H_6ON_2S$. 6-Methylthiouracil, methylation, 837.

$C_5H_{10}O_3NP$. Methyl ester of β-cyanoethylphosphorous acid, preparation, properties, saponification, 2037.

$C_5H_{11}O_2NS$. dl-Methionine, synthesis, 1855.

Group C_6

6. I

C_6H_6. Benzene, system with CCl_4, diagrams for

determining efficiency of rectifying columns with, 1305; molecular compound with $AlBr_3$ and ammonia, 71; effect on hydrogenation, 795; condensation with butyl and ethyl chloride in presence of zinc, 754; reaction with acid fluorides of carboxylic acids, 723; reaction with allyl chloride and bromide in presence of $AlCl_3$, 737; condensation with aliphatic monohalogen derivatives in presence of Radsiwanowski $AlCl_3$, 563; photoreaction with phenylmercury hydroxide, 713; condensation with 1-methylcyclohexanol-1, 951.

C_6H_8. Cyclohexadiene-1,3, combined halogenation, dehalogenation, 2011.

C_6H_{10}. 1) Tert.-Butylacetylene, Raman spectrum, 545.

2) 2-Methylpentadiene-1,3, formation, 251.

3) 2-Methylpentadiene-1,4, formation, isomerization, spectrum, 255.

4) 2-Methylpentadiene-2,4, formation, isomerization, spectrum, 255.

5) 2,3-Dimethylbutadiene, preparation, properties, salt, structure, 780.

6) Hexyene-1, action of diethylsulfate on sodium derivatives, 259.

7) Hexyene-3, synthesis, 259.

8) Cyclohexene, formation, 1072; catalytic transformation, 959.

C_6H_{12}. 1) 3,3-Dimethylbutene-1, catalytic transformation, 1742.

2) Cyclohexane, isomerization by aluminum chloride, 2415.

3) Methylcyclopentane, formation, 2415.

C_6H_{14}. n-Hexane, cryoscopic constants, 1341.

6. II

C_6H_5Br. Bromobenzene, condensation with butylchloride in presence of zinc, 753; photoreaction with diphenylmercury, 1225.

C_6H_5Cl. Chlorobenzene, inhibitory action on hydrogenation, 793; photoreaction with diphenylmercury, 1225.

C_6H_5I. Iodobenzene, photoreactions, 2193.

C_6H_6O. Phenol, coordination compound with SO_2, 1619; condensation with butylchloride in presence of zinc, 753; condensation with asymm. dimethyldiphenylbutynediol, 593, with 1-methylcyclohexanol-1 951.

$C_6H_6O_2$ 1) Hydroquinone, system with urea and resorcinol, 1087;

2) Resorcinol, system with hydroquinone and urea, 1087.

$C_6H_6O_3$. Methyl pyromucate, reaction with aniline, 281.

C_6H_7N. Aniline, formation, 1071; absence of inhibitory action on hydrogenation reaction, 793; reaction with isomers of alkoxychloropentanes, 1801; reaction with azlactones (oxozolones), 1431; reaction with dinitroderivatives of carbanilide, 1149; reaction with ethylene sulfide, 757; reaction with methylpyromucate, 281; with methyl tetrahydropyromucate, 287; addition at the double bond of olefins, 1821; acetylation, 1642; reaction with furanidine, 1067; reaction with sulfonamides, 2101; system with phenyl mustard oil, 903.

$C_6H_8N_2$. Phenylenediamine, acetylation, 1642.

$C_6H_{10}O$. 1) 1-Methoxy-3-methylbutadiene-1,2, preparation, properties, 1598.

2) 3-Methyl-1-pentyn-ol-3, inhibitory action on hydrogenation reaction, 793.

3) Methyl ether of 2-methyl-3-butynol-2, synthesis, properties, inhibitory action on hydrogenation reaction, 803; preparation 1593.

4) Methyl ether of dimethylethynylcarbinol, preparation, 1597.

5) Product of reaction of sodium methylate and 1-chloro-3-methylbutadiene-1,2, in methanol, 1598.

$C_6H_{10}O_3$. 1) Methyl tetrahydropyromucate, reaction with aniline in presence of $AlCl_3$, 287.

2) 2-Ethoxycyclopropane-1-carboxylic action, preparation, properties, ethyl ester, isomerization to γ-ethoxybutyrolactone, 928.

3) γ-Ethoxybutyrolactone, formation, properties, 930.

$C_6H_{10}Br_2$. 1,2-Dibromocyclohexane, reaction with quinone, 2011.

$C_6H_{10}S$. Diallylsulfide, oxidation, 1807.

$C_6H_{11}N$. Diallyl amine, reaction with ethylene sulfides, 757.

$C_6H_{12}O$. 1) 3-Methyl-1-pentenol-3, inhibitory action on hydrogenation reaction, 793.

2) Methyl ether of methyl butenol, synthesis, properties, inhibitory action on hydrogenation, 806.

3) Vinylbutyl ether, reaction with chlorine, 1770, 2424.

4) Methylbutyl ketone, polarographic investigation, 1965.

5) Dimethylallyl carbinol, dehydration with chrome and aluminum oxide, 251.

$C_6H_{12}O_2$. n-Butylacetate, preparation, 1143.

$C_6H_{12}O_3$. α-Hydroxycaproic acid, condensation with o-aminothiophenol, 2473.

$C_6H_{12}O_6$. Glucose, aceto derivatives, 405.

$C_6H_{12}Br_2$. 1) 2-Methyl-2,3-dibromopentane, preparation, 571.

2) 3-Methyl-2,3-dibromopentane, preparation, 571.

$C_6H_{13}N$. 1) Cyclohexylamine, reaction with furanidine, 1067.

2) α-Pipecoline, preparation, derivatives, 1792.

$C_6H_{13}N_3$. N-(β-Cyanethyl)-trimethylenediamine,

preparation, properties, reduction, 292.

$C_6H_{14}O$. 1) 2-Methylpentanol-2, bromination, 571.
2) 3-Methylpentanol-3, bromination, 571.

$C_6H_{14}N_2$. 1,5-Diazocyclooctane, preparation, properties, hydrochloride, picrate, 291.

$C_6H_{15}N$. N-hexylamine, reaction with ethylene sulfide, 757.

$C_6H_{16}N_2$. N,N-Diethylethylenediamine, reaction with ethylene sulfide, 757.

6. III.

$C_6H_4O_4N_2$. m-Dinitrobenzene, preparation, 953.

$C_6H_5O_2N$. Nitrobenzene, system with PBr_5—IBr and PCl_5—ICl, 523.

C_6H_5OHg. Phenylmercury hydroxide, photoreaction, 713.

$C_6H_6O_2N_2$. 1) o-Nitroaniline, reaction with ketene dimer, 2219.
2) p-Nitroaniline, formation, 2259, reaction with carbanilide, 1149.

C_6H_7ON. 2-Acetylpyrrole, stereoisomerism of oxime, 295.

C_6H_7NS. o-Aminothiophenol, condensation with α-hydroxyacids, 2463, 2471.

$C_6H_8ON_2$. Oxime of 2-acetylpyrrole, analysis, stereoisomers, 301.

C_6H_9ON. γ-Acetobutyronitrile, preparation, properties, semicarbazone, 1790.

$C_6H_9O_3N$. 1) 3 Isopropyl-2,5-diketooxazolidine, synthesis, transformations, 1623, 1627.
2) 3-n-Propyl-2,5-diketooxazolidine, synthesis, transformation, 1624, 1627.

$C_6H_{10}OS$. Diallyl sulfoxide, preparation, 1808.

$C_6H_{10}O_3S$. 2,3-Dimethylbutadien-1,3-sulfonic-1 acid, salt, structure, 775.

$C_6H_{11}OCl$. 1) 1-Methoxy-3-chloropentene-4, reaction with amines, 1801.
2) 1-Methoxy-5-chloropentene-3, reaction with amines, 1801.

$C_6H_{11}O_3N$. Di-exo-N-acetylglycine ethyl ester of 2,5-dihydropyrazinamidine hydrate, formation, 332.

$C_6H_{11}O_3P$. Diallylphosphorous acid, synthesis, properties, derivatives, 728.

$C_6H_{11}O_4N_3$. Glycyl tripeptide, spectrophotometry of copper-biuret coordination compound as a method of investigation of proteins, 347, 635, 641.

$C_6H_{12}OCl_2$. α,β-Dichloroethylbutylethyl ether, preparation, 1767; reaction with butyl alcohol, reaction with sodium alkoxide, 2423.

$C_6H_{12}O_2N_2$. Ethylidenediacetamide, synthesis, structure, 1633.

$C_6H_{13}OBr$. α-Bromoethyl butyl ether, decomposition, 431.

$C_6H_{13}O_2Cl$. Diethylchloracetal, preparation, properties, 2423.

$C_6H_{14}ON_2$. 1) Amide of dl-leucine, synthesis, 1625.
2) Amide of dl-norleucinamide, synthesis, 1625.
3) dl-Norvalyldecarboxyglycine, synthesis, 1628.
4) dl-Valyldecarboxyglycine, synthesis, 1628.

$C_6H_{15}ON$. 6-Aminohexanol-2, preparation, derivatives, 1792.

$C_6H_{15}O_3N$. Triethanolamine, complex with cadmium, 679.

$C_6H_{15}O_3P$. Triethylphosphite, action on dihalogen derivatives, 109.

$C_6H_{15}O_3P$. Di-β-methoxyethyl phosphorous acid, preparation, reaction with halo-substituted ethers, 2241.

$C_6H_{15}NS$. Diethylaminoethylmercaptan, preparation, 757.

$C_6H_{17}O_2Cl$. Diisopropylchloracetal, preparation, properties, 2423.

6. IV

$C_6H_4O_3Cl_2S$. p-Dichlorobenzene sulfonic acid, equilibrium with its acid chloride, 2097.

$C_6H_4P_2O_{10}Ba_3$. Barium phosphonoacrylate, product of saponification of the ethyl ester of phosphonoacrylonitrile, 113.

$C_6H_6ON_2Cu$. Copper salt of 2-acetylpyrrole, 295.

$C_6H_7ON_3S$. N-(Nicotinyl)-thiourea, synthesis of hydrochloride, 1685.

$C_6H_6ON_2S$. 1) 6-Ethylthiouracil, synthesis, methylation, 837.
2) S-6-Dimethylthiouracil, synthesis, properties, 837.

$C_6H_8O_2N_2S$. Sulfanilamide (white streptocide), polarographic investigation, 625.

$C_6H_9O_2NHg$. Ethylmercurysuccinimide, preparation, properties, 1404.

$C_6H_{12}O_4NCl$. Hydrochloride of ethylglycine, formation, 337.

$C_6H_{13}ONS$. Morpholineethanethiol, preparation, hydrochloride, 762.

Group C_7

7. I

C_7H_8. 1) Toluene, molecular compounds with $AlBr_3$ and ammonia, 71; reaction with allyl chloride and bromide in presence of $AlCl_3$, 737; reaction with acid fluorides of carboxylic acid, 701; condensation with butyl chloride in presence of zinc, 753; photoreaction with phenylmercury hydroxide, 713; condensation with 1-methylcyclohexanol-1, 951.
2) Δ_1-Cyclopentenylacetylene, formation properties, hydrogenation, action of CO_2 on sodium derivative, 701.

C_7H_{10}. 1) 3-Methylhexene-3-yne-1, formation, hydration, 697.

2) 3-Methylenehexyne-1, formation, hydration, 697.

C_7H_{12}. 1) 3-Ethylpentadiene-1,3, preparation, properties, oxidation, dimer, condensation with maleic anhydride, 1227.

2) Heptyne-1, action of diethylsulfate on sodium derivative, 259.

3) Heptyne-3, synthesis, 259.

C_7H_{14}. 1) Heptene-1, aromatization, 1567.

2) 2-Methylhexene-2, aromatization, 1567.

3) 4,4-Dimethylpentene-1, catalytic cracking, 1741.

4) 2,3,3-Trimethylbutene-1, catalytic cracking, 1741.

5) Methylcyclohexane, formation, 271; isomerization with $AlCl_3$, 2409.

6) 1,1-Dimethylcyclopentane, synthesis, spectra, isomerization with $AlCl_3$, 271.

C_7H_{16}. n-Heptane, cryoscopic constants, 1341; aromatization, 1567.

7. II

$C_7H_6O_2$. Benzilic acid, polarographic investigation, 1957; dimethylamidation, 1273.

$C_7H_6O_3$. Salicylic acid, polarographic investigation, 1957.

C_7H_8O. Anisole, reaction with benzoyl fluoride, 725.

$C_7H_8O_2$. Furyl acetate, preparation, 1147.

C_7H_9Cl. Dimethylvinylethynylcarbinol, reaction with alkalies, alcoholates, and potassium acetate, 1593, with organomagnesium compounds, 1603.

C_7H_9N. 1) o-Toluidine, reaction with dinitro derivatives of carbanilide, 1154.

2) m-Toluidine, system with allyl mustard oil, 902.

3) Toluidine, acetylation, 1642.

$C_7H_{10}O$. 1) β,β-Dimethyldivinyl ketone, addition of dialkyl phosphorous acids, 423.

2) α,α-Acetylenylcyclopentanol, dehydration, 701.

$C_7H_{10}O$. 1) Diethylacetylenylcarbinol, preparation, properties, electrolytic hydrogenation, 1230.

2) Ethyl ether of dimethylethynylcarbinol, preparation, 1597.

3) Methyl-n-propylacetylenylcarbinol, synthesis, dehydration, 701.

4) 3-Methenehexanone-2, formation, ozonization, 704.

5) 3-Methylhexene-3-one-2, formation, ozonization, 704.

$C_7H_{12}O_2$. 1) β-Hydroxy ethyl ether of dimethylacetenylcarbinol, preparation, properties, ethers, 1365.

2) Ethyl ester of allylacetic acid, preparation, oxidation, 939.

$C_7H_{12}O_3$. 1) Ethyl ester of allyl hydroxyacetic acid, synthesis, properties, 2023.

2) Ethyl ester of trans-2-(ω-hydroxymethyl)-cyclopropane-1-carboxylic acid, preparation, properties, 2206.

$C_7H_{14}O$. 1) Diethylvinylcarbinol, preparation, hydrogenation, bromination, dehydration, phenylurethane, 1230.

2) Dipropyl ketone, polarographic investigation, 1965.

3) Vinylisoamyl ether, action of chlorine in presence of isoamyl alcohol, 2419.

4) 1-Methylcyclohexanol-1, condensation with benzene, toluene, and phenol, 951.

$C_7H_{14}O_3$. 1) α-Hydroxyenanthic acid, condensation with o-aminothiophenol, 2473.

2) Butoxyethylidene formate, preparation, properties, 1583, reaction with alcohols and acids, 1757.

$C_7H_{14}Br_2$. 2-Methyl-2,3-dibromohexane, preparation, 571.

$C_7H_{14}N_2$. 2-Diethylaminopropionitrile, alkyl-aryl reamination, decomposition of hydrochloride, 93.

$C_7H_{16}O$. 1) Heptyl alcohol, acetylation, 1144.

2) 2-Methylhexanol-2, bromination, 571.

7. III

C_7H_5OBr. Benzoyl bromide, complex with $AlBr_3$, 1975.

C_7H_5OF. Benzoyl fluoride, reaction with aromatic compounds in presence of BF_3, 723.

$C_7H_5O_2Cl$. 1) o-Chlorobenzoic acid, dimethylamidation, 1275.

2) p-Chlorobenzoic acid, dimethylamidation, 1275.

$C_7H_5O_4N$. 1) m-Nitrobenzoic acid, dimethylamidation, 1275.

2) p-Nitrobenzoic acid, dimethylamidation, 1275.

$C_7H_5O_6N_3$. Benzeneazotrinitromethane, free radicals in decomposition reactions, 1219.

C_7H_5NS. Phenyl mustard oil, system with amines, 901.

$C_7H_6O_6S$. 5-Sulfosalicylic acid, hydrolysis, 1649.

$C_7H_7O_2N$. p-Nitrotoluene, chloromethylation, 1269.

C_7H_7BrMg. 1) o-Tolyl magnesium bromide, reaction with monochlorodimethyl ether, 123; reaction with ethylformate, 133.

2) p-Tolyl magnesium bromide, reaction with ethylformate, 133.

C_7H_9ON. Anisidine, acetylation, 1643.

$C_7H_{11}OBr_3$. β-Bromoethyl ether of 3-methyl-1,2-dibromobuten-1-ol-3, preparation, properties, 1366.

$C_7H_{11}OCl$. 2-Chloro-1-ethoxycyclopentene-2, preparation, properties, 579.

$C_7H_{11}O_2Br$. Ethyl ester of α-bromoallylacetic acid,

preparation, 936, oxidation, 937, ozonation, 937.

$C_7H_{11}O_2N$. 1-Methoxymethylene-2-ethoxypropionitrile, synthesis, transformations, 2111.

$C_7H_{11}O_3N$. 1) 3-n-Butyl-2,5-diketooxazolidine, synthesis, transformations, 1624, 1627.

2) 3-Isobutyl-2,5-diketooxazolidine, synthesis, transformations, 1624, 1627.

$C_7H_{14}OCl_2$. α,β-Dichloroethylisoamyl ether, reaction with isoamyl alcohols, 2419.

$C_7H_{15}O_3P$. Methyl ester of α-methyl-β-dimethylphosphonopropionic acid, 2038.

$C_7H_{12}ON_2$. 1) dl-Leucyldecarboxyglycine, synthesis, 1628.

2) dl-Norleucyldecarboxyglycine, synthesis, 1629.

7, IV

$C_7H_5O_4NS_2$. 2-Benzthiazolesulfo acid, preparation, properties, 2282.

$C_7H_6ON_2S$. 2-Benzothiazolehydroxylamine, preparation, reduction, 2281.

$C_7H_7ON_3S$. N-(Nicotinyl)-thiourea, synthesis of hydrochloride, 1685.

$C_7H_7O_3SCl$. Toluene sulfochloride, equilibrium with sulfo acid, 787.

$C_7H_7O_4ClS$. 2-Chlorotoluene sulfonate-4, coordination compounds with cobalt and chrome, 538.

$C_7H_7O_5NS$. 2-Nitrotoluene sulfonate-4, coordination compounds with cobalt and chrome, 538.

$C_7H_9O_2NS$. p-Toluenesulfonamide, reaction of its derivatives with amines, 2101.

$C_7H_{10}ON_2S$. 1) 6-Propylthiouracil, synthesis, properties, 837.

2) S-Methyl-6-ethylthiouracil, synthesis, properties, 840.

$C_7H_{12}O_3NP$. Ethyl ester of phosphonoacrylonitrile, preparation, properties, saponification, 112.

$C_7H_{14}O_3NP$. 1) Ethyl ester of β-phosphonopropionitrile, preparation, properties, saponification, 112.

2) Product of the addition of diethylphosphorous acid to acrylonitrile, 2037.

7, V

$C_7H_6O_6NClS$. 2-Chloro-5-nitrosulfo acid-4, coordination compounds with cobalt and chrome, 537.

Group C_8

8, I

C_8H_8. Styrene, polymerization, 2047.

C_8H_{10}. 1) Ethylbenzene, preparation, 754.

2) m-Xylene, reaction with acid fluorides of carboxylic acids, 723.

C_8H_{14}. 1) Octyene-3, synthesis, 259.

2) 1,2-Dimethylcyclohexene-Δ_1, formation, 363.

3) Isopropylidenecyclopentane, formation, 363.

C_8H_{16}. 1) 2-Methylheptene-3, aromatization, 1567.

2) Diisobutylene, catalytic transformation, 1741.

3) Ethylcyclohexane, isomerization over $AlCl_3$, 2156.

4) 1,1-Dimethylcyclohexane, isomerization over $AlCl_3$, 2411.

5) 2,1-Dimethylcyclohexane, isomerization over $AlCl_3$, 2411.

6) 1,3-Dimethylcyclohexane, formation, 2411.

7) 1,4-Dimethylcyclohexane, formation, 2411.

8) 1-Isopropylcyclopentene-Δ_1, formation, 363.

C_8H_{18}. 1) n-Octane, cryoscopic constants, 1341.

2) 1,2,4-Trimethylpentane, aromatization, 1567.

8, II

$C_8H_6O_4$. Phthalic acid, polarographic investigation, 1962; formation, 1114, 1132.

C_8H_7Cl. o- and p-Chlorostyrene, synthesis, 2044, polymerization, 2047.

$C_8H_7Br_2$. 1) o- and p-Bromostyrene, synthesis, 2045, polymerization, 2047.

2) ω-Bromostyrene, reaction with diethyl sodium phosphite and triethylphosphite, 111.

C_8H_7F. o- and p-Fluorostyrene, synthesis, 2044, polymerization, 2047.

C_8H_7I. p-Iodostyrene, synthesis, 2045, polymerization, 2047.

C_8H_8O. 1) Acetophenone, coordination compound with $AlBr_3$, 1975.

2) Vinyl phenyl ether, hydrolysis, 697.

$C_8H_8O_2$. 1) 3-Hydroxyacetophenone, synthesis, absorption spectra, 1029.

2) Phenylacetic acid, dimethylamidation, 1274.

3) Δ_1-Cyclopentenylpropiolic acid, preparation, properties, salt, 706.

$C_8H_8O_3$. 1) 3,5-Dihydroxyacetophenone, synthesis, absorption spectrum, 1171.

2) 2,6-Dihydroxyacetophenone, synthesis, absorption spectrum, 1193.

3) Mandelic acid, condensation with o-aminothiophenol, 2465.

$C_8H_8Br_2$. Styrene dibromide, reaction with diethylsodium phosphite, triethylphosphite, and diethylphosphoric acid, 110.

$C_8H_{10}O$. 1) Phenetole condensation with butyl chloride in presence of zinc, 755.

2) β-Phenylethyl alcohol, preparation, 1391.

$C_8H_{10}O_3$. Methacrylic anhydride, reaction with cellulose, 1387.

$C_8H_{11}N$. 1) Ethylaniline, reaction with alkoxy chloropentenes, 1801; transformation with

furanidine, 1067; system with allyl mustard oil, 899.
2) 1,2,4-Xylidine, preparation, 1271.
3) m-Xylidine, acetylation, 1642.

$C_8H_{12}O$. Methyl ether of dimethylvinylethynylcarbinol, preparation, properties, acetate, 1589.

$C_8H_{14}O_2$. β-Hydroxy propyl ether of dimethylethynylcarbinol, preparation, properties, acetate, 1590.

$C_8H_{14}O_3$. Ethyl ester of 2-ethoxycyclopropane-1-carboxylic acid, synthesis, 926, cleavage by oxidation, 927, hydrolysis, 928.

$C_8H_{14}N_4$. N,N'-Di-(β-cyanethyl)-ethylenediamine, reduction, 293.

$C_8H_{15}Br$. 1) 1,1-Dimethyl-2-bromocyclohexane, formation, conversion to carbinol, 363.
2) Dimethylcyclopentylbromomethane, formation, oxidation, reaction with HBr, 363.

$C_8H_{15}N$. Pseudoheliotridane, synthesis of derivatives, 2515.

$C_8H_{16}O$. Dimethylcyclopentylcarbinol, isomeric transformation, 363.

$C_8H_{16}O_3$. 1) α-Hydroxycaprylic acid, condensation with o-aminothiophenol, 2473.
2) Ethoxyethylidene butyrate, preparation, properties, 1586.
3) Butoxyethylidene acetate, preparation, properties, 1586; reaction with alcohols and acids, 1757.

$C_8H_{18}O$. Secondary octyl alcohol, acetylation with ketene, 1145.

$C_8H_{22}N_4$. N,N'-Di-(γ-aminopropyl)-ethylenediamine, preparation, properties, 291.

8. III

$C_9H_7O_3Cl$. Diisopropylchloroacetal, preparation, properties, 2419.

$C_9H_7O_2N$. β-(3-Pyridyl)-acrylic acid, preparation, hydrogenation, 1489.

$C_9H_7O_4N$. 5-Nitrosaligenin methyl ether, reaction with dichlorodimethyl ether, 584.

C_9H_7NS. Benzothiazine, salt, 169.

$C_9H_8O_2N_2$. Nitrosoacetanilide, free radicals in decomposition reactions, 1219.

C_9H_9OBr. α-Bromoethyl phenyl ether, decomposition, 436.

C_9H_9OCl. α-Chloroethyl phenyl ether, decomposition, 437.

C_9H_9ON. Acetanilide, system with ICl and $C_6H_5NO_2$, 905.

$C_9H_9O_2N$. β-(3-Pyridyl)-propionic acid, preparation, 1489.

$C_9H_{10}O_3N_2$. 3-Nitro-4-methylaminoanisole, preparation properties, reaction with benzimidazole, 972, 973.

$C_9H_{11}ON$. 2-Butyrylpyrrole, stereoisomerism of oxime, 295.

$C_9H_{11}NS$. β-Phenylaminoethanethiol, preparation, properties, 761.

$C_9H_{12}ON_2$. 1) 2-Dimethylamino-5-pyridylcarbinol, synthesis, properties, transformations, derivatives, 2118.
2) Oxime of 2-butyrylpyrrole, configuration, 301.
3) 3-Amino-4-methylaminoanisole, preparation, properties, 973.

$C_9H_{13}O_2N$. 1) 1-Ethoxymethylene-2-ethoxypropionitrile, synthesis, transformations, 2111.
2) 2-Methyl-4-amino-5-ethoxymethylpyrimidine, synthesis, 2109.

$C_9H_{14}O_5N_4$. Glycyl tetrapeptide, spectrophotometry of copper biuret coordination compounds in presence of a mixture of peptides, 347, 635, 641.

$C_9H_{14}NCl$. Chloropseudoheliotridane, reaction with amines, 2515.

$C_9H_{15}OCl$. 1-Isopropoxy-5-chloropentene-3, reaction with amines, 1801.

$C_9H_{15}O_3N$. 1,3-Diethoxy-2-hydroxy-2-cyanopropane, acetylation, acetyl derivatives, 2113.

$C_9H_{15}NS$. β-Diallylaminoethanethiol, preparation, properties, 760.

$C_9H_{15}NS_2$. γ-Ethylpiperidyldithiocarbamic acid, salt, oxidation, 1425.

$C_9H_{21}O_3P$. 1) Dibutylphosphorous acid, addition to β,β-dimethyl divinyl ketone, 423.
2) Diisobutylphosphorous acid, addition to β,β-dimethyl divinyl ketone, 423.

$C_9H_{21}O_3P$. Di-β-ethoxyethylphosphorous acid, preparation, reaction with halo-substituted ethers, 2241.

$C_9H_{19}NS$. β-n-Hexylaminoethanethiol, preparation, properties, hydrochloride, 760.

$C_9H_{24}N_2S$. N,N-Diethyl-N'-β-mercaptoethylethylenediamine, preparation, properties, 760.

8. IV

$C_8H_4O_6N_2Cl_2$. N,N'-Dichloroxalyl diketopiperazine, synthesis, condensation with amidines, 1018.

C_8H_6NSBr. 2-Bromomethylbenzothiazole, synthesis, properties, 2300.

C_8H_7ONS. 2-Hydroxymethylbenzothiazole, synthesis, properties, derivatives, 2298.

$C_8H_8O_2NCl$. 2-Chloromethyl-4-nitrotoluene, preparation, reduction, 1270.

$C_8H_{10}O_3N_2S$. Albucide (N-acetylsulfanilamide), polarographic investigation, 625.

$C_8H_{11}O_3NS$. Dimethylaminobenzenesulfo acid, coordination compounds with cobalt and chrome, 537.

$C_8H_{12}ON_2S$. 1) 6-Butylthiouracil, synthesis, methylation, 837.
2) 5-Methyl-6-propylthiouracil, synthesis, properties, 840.

$C_8H_{18}O_9P_2Na_2$. Product of reaction of dibromomethyl ether and sodium di-β-methoxyethyl phosphite, 2242.

8. V.

$C_8H_6O_3NSCl_3$. 1,1,1-Trichloro-2-hydroxy-ethane-(p-nitrophenyl) sulfide, synthesis, properties, 1818.

Group C_9

9. I

C_9H_{10}. 1) Allylbenzene, formation, 739.
2) Hydrindene, formation, 739, bromination, 740.

C_9H_{12}. Isopropylbenzene, preparation, 566; dealkylation, 943.

C_9H_{14}. Hydrocarbon, product of reaction of ethylmagnesium bromide on dimethylvinylethynylchloromethane, 1605.

C_9H_{16}. Nonyne-3, synthesis, 259.

C_9H_{18}. Nonene-1, formation, 268.

C_9H_{20}. n-Nonane, cryoscopic constants, temperature of transition, heat of transition, 1341.

9. II

$C_9H_4O_3$. Ninhydrin, formation, 1116.

$C_9H_6O_4$. Phthalidecarboxylic acid, formation, 1115, 1133.

$C_9H_6O_5$. Phthalonic acid, formation, 1114, 1133.

C_9H_8O. Cinnamic aldehyde, formation, 1380.

$C_9H_8O_2$. Cinnamic acid, formation, 1380.

C_9H_9Br. α-Methyl-ω-bromostyrene, reaction with sodium diethylphosphite and triethylphosphite, 109.

$C_9H_{10}O$. Cinnamic alcohol oxidation with chromic acid mixture, 1379.

$C_9H_{10}O_2$. 1) Phenylacetylcarbinol, formation, 199.
2) 3-Methoxyacetophenone, synthesis, absorption spectrum, 1029.

$C_9H_{10}O_3$. 1) 2,3-Dimethoxybenzaldehyde, synthesis, 1479.
2) 2-Hydroxy-6-methoxyacetophenone, absorption spectrum, 1193.

$C_9H_{10}O_4$. 4-Methoxyphenoxyacetic acid, amide, 359.

$C_9H_{10}Br_2$. α-Methylstyrene dibromide, reaction with sodium diethylphosphite, 109.

$C_9H_{10}N_2$. 2-Phenylaminopropionitrile, preparation, properties, hydrochloride, 94.

$C_9H_{11}N$. 1) Ethylidene-p-toluidine, reaction with maleic anhydride, 1645.
2) Crotonylidene aniline, reaction with maleic anhydride, 1645.

$C_9H_{12}O$. 1) β-p-Tolylethyl alcohol, preparation, properties, oxidation, 1392.
2) Methyl-2-methyl benzyl ether, preparation, 123.

$C_9H_{12}O_2$. Acetate of dimethylvinylethynylcarbinol, preparation, 1600.

$C_9H_{13}N$. Propylaniline, reaction with furanidine, 1067.

$C_9H_{14}O_3$. Acetate of the β-hydroxy ethyl ether of dimethylacetenylcarbinol, preparation, properties, 1364.

$C_9H_{14}O_4$. 1,1-Dimethylolcyclopropane diacetate, 2234.

$C_9H_{14}O_5$. 1,2-Isopropylidene-5,6-anhydroglucofuranose, preparation, reaction with ammonia, reaction with methylamine, reaction with S-methylisothiourea, O-methylisothiourea, 408.

$C_9H_{16}O_3$. Ethyl valerylacetate, synthesis, condensation with S-methylisothiourea, 839.

$C_9H_{16}N_4$. N,N'-Di-(β-cyanethyl)-trimethylenediamine, preparation, properties, reduction, 292.

$C_9H_{18}O_2$. Heptyl acetate, preparation, 1144.

$C_9H_{19}Br$. Nonyl bromide, preparation, conversion to sulfide, 268.

$C_9H_{20}S$. Primary nonylthiol, formation, 268.

9. III

C_9H_7ON. 2-Phenyloxazole, preparation, 145.

$C_9H_9O_4N$. 1) o-Methoxyoxanilic acid, preparation, properties, derivatives, 1880.
2) m-Methoxyoxanilic acid, preparation, properties, derivatives, 2067.

C_9H_9NS. 3-Methylbenzothiazine, preparation, properties, 173.

$C_9H_9NS_2$. 4-Methyl-3-thiodihydrobenzo-1,4-thiazine, preparation, properties, reaction with dimethyl sulfate, 181.

$C_9H_9N_2Cl$. 1) 2-(m-Chlorophenyl)-aminopropionitrile, preparation, properties, hydrochloride, 95.
2) 2-(p-Chlorophenyl)-aminopropionitrile, preparation, properties, hydrochloride, 96.

$C_9H_{10}ON_2$. 5-Methoxy-1-methylbenzimidazole, synthesis, properties, 973.

$C_9H_{10}O_3N_2$. 1) Dimethylamide of m-nitrobenzoic acid, preparation, 1275.
2) Dimethylamide of p-nitrobenzoic acid, preparation, 1275.
3) o-Methoxyoxanilamide, preparation, properties, 1880.
4) m-Methoxyoxanilamide, preparation, 2068.

$C_9H_{10}O_4N$. 4-Methoxyphenoxyacetic acid, synthesis, 359.

$C_9H_{11}ON_3$. 2-Amino-5-methoxy-1-methylbenzimidazole, synthesis, properties, 973.

$C_9H_{11}ON$. 1) p-Dimethylaminobenzaldehyde, condensation with quaternary salts of benzo-1,4-thiazine, 185.
2) Dimethylamid of benzoic acid, preparation, 1275.

$C_9H_{11}BrMg$. Mesitylmagnesium bromide, reaction with α-chlorosubstituted ethers, reaction with methyl-2,4,6-trimethylbenzyl ethers, 119; reaction with ethyl formate, 129.

$C_9H_{12}ON_2$. γ-Acetopimelonitrile, preparation, properties, 1791.

$C_9H_{13}NS$. β-Benzylaminoethanethiol, preparation, properties, hydrochloride, 761.

$C_9H_{14}O_3Br_2$. Acetate of the β-hydroxy ethyl ether of 3-methyl-1,2-dibromobuten-1-ol-3, preparation, properties, 1366.

$C_9H_{14}O_4Br_2$. 1,3-Dibromopropane-2,2-dimethylol diacetate, 2234.

$C_9H_{16}O_3S$. Ethyl ester of γ-methylmercapto-α-acetobutyric acid, preparation, reaction with

phenyldiazonium chloride, 1854.

$C_9H_{17}OCl$. 1-Butoxy-5-chloropentene-3, reaction with amines, 1801.

$C_9H_{17}O_4Cl$. Diethyl acetal of formylchloroacetic ester, preparation, 862.

$C_9H_{17}O_4P$. Product of the addition of dimethyl phosphorous acid to β,β-dimethyl divinyl ketone, 427.

$C_9H_{17}O_5N$. 1,2-Isopropylidene-6-desoxy-6-aminoglucose, preparation, properties, 405.

$C_9H_{17}O_5P$. Ethyl ester of diallylphosphonoformic acid, preparation, properties, 728.

$C_9H_{19}O_5P$. Methyl ester of α-methyl-β-diethyl phosphonopropionic acid, 2038.

$C_9H_{17}NS_2$. γ-Isopropylpiperidyldithiocarbamic acid, salt, oxidation, 1425.

$C_9H_{19}O_3Br$. 1,1,3-Triethoxy-2-bromopropane, reaction with cyanides, 2113.

9. IV

C_9H_7ONS. Methyl benzthiazolyl-2-ketone, preparation, properties, derivatives, 2466.

$C_9H_7ON_2Br$. 1,2-(3'-Bromodivinylene)-6-methyl-pyrimidone-4, preparation, 1252.

$C_9H_7ON_2Cl$. 1,2-(3'-Chlorodivinylene)-6-methyl-pyrimidone-4, preparation, 1252.

$C_9H_9ON_2S$. 6-Formylamino-2-methylbenzothiazole, synthesis, properties, derivatives, conversion to thiacarbocyanins, 1465.

$C_9H_8O_4NCl$. 3-Chloromethyl-5-nitrosaligenin methylene ether, preparation, reaction with diethylamine, 584.

C_9H_9ONS. 1) Methylbenzthiazolyl-2-carbinol, preparation, properties, derivatives, oxidation, 2463.

2) 4-Methyl-3-oxodihydrobenzo-1,4-thiazine, synthesis, 181.

$C_9H_9O_2NCl_2$. 2,6-Bischloromethyl-4-nitrotoluene, preparation, reduction, 1270.

$C_9H_9O_2N_3S_2$. Sulfathiazole, polarographic investigation, 626.

$C_9H_{10}ONCl$. 1) Dimethylamide of o-chlorobenzoic acid, preparation, 1275.

2) Dimethylamide of p-chlorobenzoic acid, preparation, 1275.

$C_9H_{10}O_2N_2S_2$. 6-Methylsulfoamino-2-methylbenzothiazole, preparation, properties, ethiodide, synthesis of thiacarbocyanins, 1467.

$C_9H_{14}ON_2S$. S-Methyl-6-butylthiouracil, synthesis, properties, 840.

$C_9H_{13}O_3NP$. β-Phosphonopropionitrile, preparation, 2037.

9. V

$C_9H_{10}O_4NSCl$. Methyl perchlorate of benzothiazine, synthesis, properties, 175; condensation with p-dimethylaminobenzaldehyde, 187.

$C_9H_{15}O_3NSP$. Ethyl ester of 4-phosphonomethyl-2-methylthiazole, preparation, saponification, 2076.

Group C_{10}

10. I

$C_{10}H_8$. Naphthalene, absorption spectrum, 1451; action of inhibitors on hydrogenation reaction, 793; condensation with butylchloride in presense of zinc, 753.

$C_{10}H_{12}$. 1) Tetralin, condensation with butylchloride, in presence of zinc, 753.

2) 7-Methylhydrindene, formation, properties, 742.

$C_{10}H_{14}$. 1) Monobutylbenzene, preparation, 568.

2) Butylbenzene, formation, 754; preparation, cleavage, 579.

$C_{10}H_{16}$. Pyronene, α- and β-, preparation, reaction with acrylonitrile and acrolein, 2079.

$C_{10}H_{20}$. Decene-1, formation, 267.

$C_{10}H_{22}$. n-Decane, cryoscopic constants, 1341.

10. II

$C_{10}H_8O_3$. Indanone-1-carboxylic acid-3, properties, derivatives, transformation, 1140.

$C_{10}H_6O_4$. 1,2,3,4-Tetraoxotetralin, oxidative-hydrolytic transformation, 1113.

$C_{10}H_6O_3$. 1) Oxide of 1,4-naphthoquinone, oxidative-hydrolytic transformation, 1005.

2) 3-Hydroxy-1,4-naphthoquinone, cleavage, 997; transformations, 1005.

$C_{10}H_6O_4$. 2,3-Dihydroxy-1,4-naphthoquinone, (isonaphthazarine), oxidative-hydrolytic transformations, 1113.

$C_{10}H_8O$. 1) 1-Naphthol, dissociation constant, 1164; absorption spectrum, 1451; effect of inhibitors on hydrogenation reaction, 793.

2) 2-Naphthol, effect of inhibitors on hydrogenation reaction, 793.

$C_{10}H_8O_3$. Lactone of o-lactylbenzoic acid, preparation, properties, 391, 392.

$C_{10}H_8O_4$. o-Acetylphenylglyoxilic acid, preparation, derivatives, oxidation, 1000, 1010.

$C_{10}H_9N$. 1) N-Phenylpyrrole, synthesis, properties, 283, 285.

2) 1-Naphthylamine, absorption spectrum, 1451.

3) Naphthylamine, acetylation, 1642.

4) Quinaldehyde, reaction with maleic anhydride, 1645.

$C_{10}H_9N_3$. 2-Benzeneazopyrrole, sulfonation, 307.

$C_{10}H_{10}O$. 1) Methylphenylacetylenylcarbinol, preparation, isomerization, 1997.

2) β-Methylcinnamic aldehyde, formation, 1998.

3) Ethylidene acetophenone, formation, 2482.

$C_{10}H_{10}O_3$. 2-Acetyl-4-hydroxycoumaran synthesis, properties, derivatives, 2316.

$C_{10}H_{10}O_3$. 2-Acetyl-4-hydroxy-5-carboxycoumaran, synthesis, properties, 2316.

$C_{10}H_{11}Br$. 1) 2-Phenyl-3-bromobutene-2, formation, oxidation, 573, 574.

2) 3-Bromo-2-phenylbutene-2, action of alcoholic alkali, 547.

$C_{10}H_{12}O$. 2-Methyl-4-vinylethynyl-Δ^4-dihydropyran, synthesis, properties, hydrogenation, hydration, 416.

$C_{10}H_{12}O_2$. 1) 1-Methoxy-1-phenylpropene-1, action of alkali, 199.

2) Methyl-p-toluylcarbinol, preparation, properties, isomeric transformation, derivatives, 750; reaction with organomagnesium compounds, 2083.

3) p-Tolylacetylcarbinol, preparation, properties, isomeric transformations, derivatives, 749; reaction with organomagnesium compounds, 2083.

4) Methylphenylacetylcarbinol, formation, 2083.

5) o-Isoeugenol (2-hydroxy-3-methoxyphenylpropene-1), synthesis, methylation, 1479.

$C_{10}H_{12}O_3$. 1) 3,5-Dimethoxyacetophenone, synthesis, absorption spectrum, 1171.

2) 2,6-Dimethoxyacetophenone, absorption spectrum, 1193.

$C_{10}H_{12}O_4$. 4-Ethoxyphenoxyacetic acid, synthesis, 459.

$C_{10}H_{13}N$. N-Phenylpyrrolidine, formation, 287, 1068.

$C_{10}H_{13}Br$. Secondary butylbromobenzene, formation, 754.

$C_{10}H_{14}O$. 1) 2-Phenylbutanol-2, bromination, 571.

2) Secondary butylphenol, formation, 754.

3) β-o-Xylylethyl alcohol, preparation, properties, oxidation, 1392.

4) β-m-Xylylethyl alcohol, preparation, properties, oxidation, 1392.

$C_{10}H_{14}O_2$. 1) 2,7-Dimethyloctadiyne-3,5-diol-2,7, catalytic hydrogenation, 1281. Electrolytic hydrogenation, 2121.

2) Allyl-2-methyl-Δ^4-dihydro-4-pyranyl ketone, preparation, properties, hydrogenation, ozonation, reaction with amines and NH_3, 416.

3) 2-Methyl-4-vinylethynyltetrahydropyran-4-ol, synthesis, dehydration, 416.

$C_{10}H_{15}N$. Butylaniline, reaction with furanidine, 1067.

$C_{10}H_{16}O$. 1-Methyl-4-isopropylcyclohexen-1-one-3 (d,l-piperitone) synthesis, oxidation oxime, 769.

$C_{10}H_{16}O_2$. Acetate of the β-hydroxy propyl ether of dimethylethynylcarbinol, preparation, properties, 1590.

$C_{10}H_{18}O$. 1) Dimethyl-2,7-octadien-2,4-ol-7, formation, 2021.

2) 2,7-Dimethyloctadien-4,6-ol-2, formation, 1282.

3) Geraniol, formation, 1239.

4) Linalool, formation, 1239.

5) Isoborneol, isomerization when dehydrated by the xanthogenic method, 833.

$C_{10}H_{18}O_2$. 1) 2,7-Dimethyloctadiene-3,5-diol-2,7, formation, properties, oxidation, 1285.

2) Propyl-2-methyl-4-tetrahydropyranyl ketone, preparation, properties, ozonation, 417.

$C_{10}H_{18}O_3$. 4-Hydroxycoumaranyl dimethylcarbinol, synthesis, properties, derivatives, 2317.

$C_{10}H_{20}O$. 2-Methyl-4-butyltetrahydropyrone, preparation, 416.

$C_{10}H_{20}O_2$. Octyl acetate, preparation, 1145.

$C_{10}H_{21}Br$. Decyl bromide, synthesis, reaction with sodium thiosulfate and alkali, 265.

$C_{10}H_{20}O_3$. Butoxyethylidene butyrate, preparation, properties, 1586.

$C_{10}H_{22}O$. 2,7-Dimethyloctanol-2, formation, 1287.

$C_{10}H_{22}O_2$. 1) 2,7-Dimethyloctanediol-2,7, formation, 1286.

2) Terpin hydrate, formation, 1241.

$C_{10}H_{22}S$. Decylthiol, synthesis, catalytic transformation, 265.

$C_{10}H_{23}N$. Diisoamylamine, reaction with ethylene sulfide, 757.

10. III

$C_{10}H_5O_3Br$. 2-Bromoindenone-1-carboxylic acid-3, formation, 1140.

$C_{10}H_5O_3Cl$. 2-Chloro-3-hydroxy-1,4-naphthoquinone, oxidative-hydrolytic transformation, 1131.

$C_{10}H_7O_2Cl$. Lactone of o-(α-chloropropionyl)-benzoic acid, synthesis, properties, 390.

$C_{10}H_7O_2N$. 5-Hydroxy-2-phenyloxazole, azotization, 165.

$C_{10}H_7O_3Cl$. 2-Chloro-2-methyl-1,3,4-trioxotetralin, ammonolysis, 373.

$C_{10}H_7O_3N$. 1) 2-Phenyloxazole-4-carboxylic acid, preparation, ester, 153.

2) 1-Hydroxy-4-carboxylicisoquinone, formation, 603.

$C_{10}H_7O_4Ag$. Silver salt of o-acetylphenylglyoxilic acid, formation, 1002.

$C_{10}H_7BrMg$. α-Naphthylmagnesium bromide, reaction with α-chloro substituted ethers, 119.

$C_{10}H_8O_3S$. 1-Naphthalenesulfo acid, absorption spectrum, 1453; hydrolysis, 1649.

$C_{10}H_8O_4S$. 1) 1-Naphthol-4-sulfo acid, dissociation constant, 1164.

2) 2-Naphthol-4-sulfonic acid, sulfonation, 1653.

3) 1-Naphthol-5-sulfonic acid, bisulfite compound, 2093.

$C_{10}H_8O_7S_2$. 1) 2-Naphthol-4,6-disulfonic acid, preparation, salt, 1653.

2) 2-Naphthol-4,8-disulfonic acid, preparation

salt, 1653.

$C_{10}H_9ON$. 1) 1-Amino-2-naphthol, determination, inability of the hydrochloride to be sulfonated with sulfuric acid, 1412.

2) 1,5-Aminonaphthol, absorption spectrum, 1451, dissociation constant, 1157.

3) 2,8-Aminonaphthol, preparation, synthesis of dyes, 985.

4) 1-Acetylindole, sulfonation, 1415.

5) 3-Acetylindole, sulfonation, 1415.

$C_{10}H_9O_2N$. 3-Indolylacetic acid, sulfonation, 1415.

$C_{10}H_9O_5N$. 1) 2,8-Aminonaphthol-5-sulfo acid, synthesis, preparation of dyes, 1255.

2) 2,8-Aminonaphthol-6-sulfo acid, synthesis, preparation of dyes, 1255.

3) 2,8-Aminonaphthol-7-sulfo acid, synthesis, preparation of dyes, 1255.

4) 3-Benzyl-2,5-diketooxazolidine, synthesis, derivatives, 1624.

$C_{10}H_9O_4Cl$. 2-Chloro-2-methyl-1,2,3,4-tetrahydronaphthalenediol-3,3-dione-1,4, ammonolysis, 376.

$C_{10}H_9O_4N$. 1) 1,5-Aminonaphthol-2-sulfo acid, dissociation constant, 1164.

2) 1,5-Aminonaphthol-4-sulfo acid, dissociation constant, 1164.

3) 1,5-Aminonaphthol-6-sulfo acid, dissociation constant, 1164.

4) 1,5-Aminonaphthol-7-sulfo acid, dissociation constant, 1164.

5) 1,5-Aminonaphthol-8-sulfo acid, dissociation constant, 1164.

6) 2,5-Aminonaphthol-7-sulfo acid, dissociation constant, 1164.

7) 2,8-Aminonaphthol-6-sulfo acid, dissociation constant, 1164.

8) Formylhippuric acid, acetal, transformation, 622.

$C_{10}H_{10}ON_2$. 1-Phenyl-4-methylpyrazolone, coordination compounds, 2189.

$C_{10}H_{10}O_2N_4$. Sulfadiazine, polarographic investigation, 626.

$C_{10}H_{11}O_3Br$. 2-Bromo-4-ethylphenoxyacetic acid, synthesis, derivatives, 2397.

$C_{10}H_{11}O_3Cl$. 2-Chloro-4-ethylphenoxyacetic acid, synthesis, derivatives, 2397.

$C_{10}H_{11}O_3N$. Benzoylsarcosine, preparation, 149.

$C_{10}H_{12}ON_2$. 2-(p-Methoxyphenyl)-aminopropionitrile preparation, properties, hydrochloride, 96.

$C_{10}H_{12}O_4N_2$. Phenylserine cyanate, preparation, 865.

$C_{10}H_{12}N_2S$. 7-Dimethylamino-2-methylbenzothiazole, synthesis, derivatives, 2289.

$C_{10}H_{13}ON$. Dimethylamide of phenylacetic acid, preparation, properties, 1274.

$C_{10}H_{13}O_2N$. Ethyl ester of β-(3-pyridyl)-propionic acid, preparation, properties, 1489; hydrochloride, picrate, 1490.

$C_{10}H_{13}BrMg$. Durylmagnesium bromide, reaction with chlorosubstituted ethers, 119.

$C_{10}H_{14}ON_2$. dl-Phenylalanyldecarboxyglycine, synthesis, 1629.

$C_{10}H_{15}NS_2$. β-Phenylaminoethyl-β'-mercaptoethyl sulfide, preparation, 761.

$C_{10}H_{17}O_3N$. 2,4-Dinitrophenylhydrazone of γ-piperidone, product of the reaction of allyl-2-methyl-Δ^4-pyranyl ketone with NH_3, preparation, properties, transformations, 418.

$C_{10}H_{17}O_3P$. Ethyl ester of diallylphosphonoacetic acid, preparation, properties, saponification, 730.

$C_{10}H_{17}NS_2$. Trans and cis-decahydroxyquinolyldithiocarbamic acid, salt, oxidation, 1426.

$C_{10}H_{19}O_6N$. 1:2-Isopropylidene-6-desoxy-6-methylaminoglucose, preparation, properties, 405.

$C_{10}H_{19}O_5N_3$. (1,2)-Isopropylidene-6-desoxy-6-guanidoglucofuranose, preparation, properties, derivatives, 411.

$C_{10}H_{22}ON_2$. β-Ethanolpseudoheliotridylamine, preparation, properties, 2516.

$C_{10}H_{21}ON$. 1-Methoxy-5-diethylaminopentene-3, preparation, oxidation, 1803.

$C_{10}H_{21}O_2Cl$. α,β-dichloroethylbutyl ether, preparation, reaction with butyl alcohol, 2423.

$C_{10}H_{22}ON_2$. dl-Valyldecarboxyleucine, synthesis, 1629.

10. IV

$C_{10}H_5O_6S_3Cl_3$. 1,3,5-Naphthalenetrisulfo chloride, preparation, 2253.

$C_{10}H_6O_4N_2S$. Naphthofurazan-3-sulfonic acid, derivatives, 2127.

$C_{10}H_8O_7S_2Na_2$. 1) 2-Naphthol-4,8-disulfonic acid, synthesis, properties, 1653.

2) 2-Naphthol-4,6-disulfonic acid, synthesis, properties, 1654.

$C_{10}H_8ON_2S$. Phenylthiouracil, synthesis, methylation, 837.

$C_{10}H_9ONS$. Ethylbenzthiazolyl-(2) ketone, preparation, properties, derivatives, 2475.

$C_{10}H_9O_4NHg$. Phenylmercury succinimide, preparation, properties, 1403.

$C_{10}H_9O_2NS_2$. 2-Acetoxymethylbenzothiazole, synthesis, properties, derivatives, 2299.

$C_{10}H_9O_3NS$. β-[Benzothiazolyl-(2)]-β-hydroxypropionic acid, formation, properties, oxidation, 2468.

$C_{10}H_9O_3N_3S$. 2-Benzeneazopyrrolsulfonic-5 acid, formation, properties, oxidation, salt, 307.

$C_{10}H_9O_4NS$. 1) 1,5-Aminonaphthol-2-sulfo acid, absorption spectrum, 1453.

2) 1,5-Aminonaphthol-4-sulfo acid,

absorption spectrum, 1453.

3) 1,5-Aminonaphthol-6-sulfo acid, absorption spectrum, 1453.

4) 1,5-Aminonaphthol-7-sulfo acid, absorption spectrum, 1453.

5) 1-Acetylindolesulfonic-2 acid, salt, 1415.

6) 3-Acetylindolesulfonic-2 acid, salt, properties, 1415.

7) β-[Benzthiazolyl-(2)]gluceric acid, preparation, properties, 2469.

$C_{10}H_9O_5NS$. 2-Sulfo-3-indolylacetic acid, preparation, properties, 1415.

$C_{10}H_{10}ON_2S$. 6-Acetamino-2-methylbenzothiazole, synthesis, properties, synthesis of carbocyanines, 1463.

$C_{10}H_{10}O_6S_2Ba$. Barium salt of cyclopentadiene-(1,3)-sulfonic-5 acid, 303.

$C_{10}H_{11}ONS$. 1) Ethyl [benzthiazolyl-(2)]-carbinol, preparation, properties, derivatives, oxidation, 2472.

2) Dimethyl-[benzthiazolyl-(2)]-carbinol, preparation, properties, derivatives, oxidation, 2473.

3) 2-Ethoxymethylbenzothiazole, synthesis, properties, derivatives, 2301.

$C_{10}H_{11}O_2N_3S_2$. Sulfazole, polarographic investigation, 627.

$C_{10}H_{11}O_5NS$. p-Aminophenacylsulfoglycollic acid, hydrochloride, preparation, properties, 1812.

10, V

$C_{10}H_9O_4NSCl_3$. 1,1,1-Trichloro-2-acetoxyethane-(p-nitrophenyl) sulfide, synthesis, properties, oxidation, 1818.

$C_{10}H_9O_5NSCl_3$. 1,1,1-Trichloro-2-acetoxyethane-(p-nitrophenyl) sulfoxide, synthesis, properties, 1818.

$C_{10}H_{12}O_4NSCl$. Methyl perchlorate of 3-methylbenzothiazine, preparation, properties, acetylation, 174; condensation with p-dimethylaminobenzaldehyde, 188.

$C_{10}H_{18}O_3NSP$. Ethyl ester of 4-phosphonomethyl-2-ethylthiazole, preparation, saponification, 2076.

Group C_{11}

11, I

$C_{11}H_{16}$. 1) Amyl benzene, preparation, dissociation, 569.

2) Pentamethylbenzene, preparation, 563.

3) Butyltoluene, formation, 754.

$C_{11}H_{24}$. n-Decane, cryoscopic constants, transition temperature, 1341.

11 II

$C_{11}H_8O_2$. 1) α-Naphthoic acid, formation, 764.

2) 2-Methyl-1,4-naphthoquinone, reaction of bisulfite compounds with phenylhydrazine, 2091.

$C_{11}H_9O_2$. Pyromucanilide, synthesis, 283.

$C_{11}H_{10}O$. Methyl ester of β-naphthol, absence of inhibitory effect on hydrogenation, 793.

$C_{11}H_{10}O_4$. Methyl ester of o-acetylphenylglyoxilic acid, formation, 1002.

$C_{11}H_{12}O$. Phenyl ether of dimethylethynylcarbinol, preparation, properties, 1598.

$C_{11}H_{12}O_2$. 1) Ethylstyryl ketone, oxide, hydrogenation, 555.

2) Tubanol, synthesis, transformation to tubaic acid, 2317.

$C_{11}H_{12}O_3$. p-Methoxyphenyl-γ-butyrolactone, preparation, 139.

$C_{11}H_{12}O_4$. p-Methoxybenzoylpropionic acid, reduction, 139.

$C_{11}H_{14}O_2$. Benzylpropionylcarbinol, preparation, reaction with C_6H_5MgBr, 560.

$C_{11}H_{14}O_3$. 1-Methyl-2-ethyltetrahydrophthalic anhydride-5,6, preparation, properties, 1231.

$C_{11}H_{14}O_4$. 1) 4-Methoxyphenoxy-α-butyric acid, synthesis, 360.

2) 4-Propoxyphenoxyacetic acid, synthesis, 360.

$C_{11}H_{16}O$. 1) 3-Hydroxy-5-tert.-butyltoluene, preparation, properties, 734.

2) Methyl-2,4,6-trimethylbenzyl ether, preparation, properties, 124.

$C_{11}H_{16}O_2$. 2-p-Tolylbutanediol-2,3, formation, 2087.

$C_{11}H_{17}N$. 1) 2-Methyl-2-phenylaminobutane, formation, 1821.

2) 2-Methyl-3-phenylaminobutane, formation, 1821.

3) Tert.-p-amylaniline, formation, 1821.

4) 3-Amino-5-tert-butyltoluene, preparation, properties, hydroxy derivatives, 731.

$C_{11}H_{18}O$. 1) 1-Methyl-4-n-butylcyclohexen-1-one-3, preparation, properties, oxidation, derivatives, 771.

2) 4-Methylcamphor, methylation, 2406.

$C_{11}H_{18}O_3$. Butyrate of the β-hydroxy ethyl ether of dimethylacetenylcarbinol, preparation, properties, 1365.

$C_{11}H_{18}N_2$. m-Diethylaminobenzylamine, preparation, properties, derivatives, 1901.

$C_{11}H_{20}O$. 4-Methylisoborneol, isomerization upon dehydration by the xanthogenic method, 833.

11, III

$C_{11}H_7O_2N$. 2-Cyanacetylcoumarone, sulfonation, 843.

$C_{11}H_9ON$. 1) 2-Benzoylpyrrole, stereoisomerism of oxime, 295.

2) Pyromucanilide, formation, 281.

$C_{11}H_9O_2N$. 2-Methyl-4-benzyliden-5-oxazolone, preparation, properties, reaction with amines, 1431.

$C_{11}H_9O_2N$. 1) Lactam of o-alanylphenylglyoxylic acid, synthesis, properties, transformation, 377, 378.
2) 2-Benzyl-4-oxymethyleneoxazolinone-(5), preparation, 866.
3) 2-Phenyl-4-(1-hydroxyethyliden)-5-oxazolone, preparation, properties, reaction with amines, 1431.
$C_{11}H_{10}ON_2$. Oxime of 2-benzoylpyrrole, stereoisomer, 301.
$C_{11}H_{11}O_3N_3$. Semicarbazone of indanone-1-carboxylic acid-3, 1140.
$C_{11}H_{11}O_4N$. o-Lactylphenylglyoxylamide, preparation, properties, transformation, 377.
$C_{11}H_{12}ON_2$. Antipyrine, complex compounds, 2183, 2189.
$C_{11}H_{13}O_2N$. Acetylenic piperidol, synthesis, properties, hydrochloride, hydrogenation, 418, 419.
$C_{11}H_{13}O_3N$. 1) Hydrastinine, reaction with caustic alkalies, 353.
2) Diethylacetal of hippuric ester, methylation, 145.
3) Ethyl ester of m-methoxyoxanilic acid, synthesis, 2067.
$C_{11}H_{13}O_4N$. Ethyl ester of o-methoxyoxanilic acid, synthesis, properties, 1880.
$C_{11}H_{13}O_7N_3$. 2,4,6-Trinitro-3-hydroxy-5-tert.-butyl-toluene, preparation, properties, 734.
$C_{11}H_{13}NS$. 2-Ethyl-3-methylbenzothiazine, salt, 169.
$C_{11}H_{14}O_5N_2$. x,x-Dinitro-3-hydroxy-5-tert.-butyltoluene, preparation, properties, 734.
$C_{11}H_{15}ON$. Diethylbenzamide, system with ICl and $C_6H_5NO_2$, 905.
$C_{11}H_{15}O_2N$. Salsoline, methylation, attempts at conversion, 815.
$C_{11}H_{15}O_2N_3$. Semicarbazone of methylphenylacetyl carbinol, preparation, properties, 1999.
$C_{11}H_{15}O_5P$. Methyl ester of α-methyl-β-diisopropylphosphonopropionic acid, 2038.
$C_{11}H_{16}O_3N_2$. 2-Hydroxy-5-nitrobenzyldiethylamine, synthesis, properties, hydrochloride, 585.
$C_{11}H_{16}NCl$. m-Diethylaminobenzyl chloride, preparation, properties, reaction with 6-methoxy-8-aminoquinoline, 1900.
$C_{11}H_{17}ON$. 1) m-Diethylaminobenzyl alcohol, preparation, properties, transformation into chloride, 1900.
2) Dimethylaminoethyl ester of benzyl alcohol, preparation, properties, hydrochloride, 633.
$C_{11}H_{17}O_3N_3$. 1,4-endo-N-Acetyl-2-propyl-5-ketopiperazinamidine, preparation, 336.
$C_{11}H_{19}O_2N$. γ-Piperidone, product of action of methylamine on allyl-2-methyl-Δ^4-dihydro-4-pyranyl ketone, preparation, properties, transformations, 415.
$C_{11}H_{19}O_4N$. α-Aminohomocamphoric acid, preparation, properties, 402.
$C_{11}H_{21}O_4P$. Product of addition of diethylphosphorous acid to β,β-dimethyldivinyl ketone, 425.
$C_{11}H_{23}O_5P$. 1) Methyl ester of α-methyl-β-diisopropylphosphonopropionic acid, 2038.
2) Ethyl α-diisopropylphosphopropionate, preparation, properties, action of NH_3, 2450.
$C_{11}H_{24}ON_2$. dl-Leucyldecarboxyleucine, synthesis, 1629.
$C_{11}H_{24}N_2Cl_2$. Picrate of m-Diethylaminobenzylamine, 1902.

11, IV

$C_{11}H_7O_5NS$. 2-Cyanacetylcoumarone-5 sulfo acid, 843.
$C_{11}H_7O_6SK$. Oxide of potassium 2-methyl-1,4-naphthoquinone-3-sulfonate, preparation, oxidizing ability, 1826.
$C_{11}H_9ON_2Cu$. Cupric salt of the oxime of 2-benzoyl pyrrole, 301.
$C_{11}H_9O_2N_4S$. 4-Nitroso-1-benzothiazolyl-3-methyl-5-pyrazolone, 2284.
$C_{11}H_9N_4Cl_2S$. Sym-di-(5-chloropyridyl)-thiourea, synthesis, 2124.
$C_{11}H_9ON_3S$. 1-(2'-Benzothiazolyl)-3-methyl-5-pyrazolone, synthesis, properties, transformation, 2284.
$C_{11}H_{10}O_3NCl$. o-(α-Chloropropionyl)-phenylglyoxylamide, synthesis, properties, transformations, 376.
$C_{11}H_{10}ON_2S$. 1) 6-Benzylthiouracil, synthesis, methyl derivatives, 839.
2) S-Methyl-6-phenylthioracil, synthesis, properties, 840.
$C_{11}H_{11}O_2NHg$. o-Tolylmercurysuccinimide, preparation, properties, 1404.
$C_{11}H_{11}O_2N_3S$. Sulfidine, polarographic investigation, 625.
$C_{11}H_{13}ONS$. n-Propyl-[benzthiazolyl-(2)]-carbinol, preparation, properties, derivatives, 2473.
$C_{11}H_{13}O_2N_2Br$. N-(β-Ethylcrotonate)-5-bromo-2-pyridonimide, preparation, transformations, 1252.
$C_{11}H_{13}O_2N_2Cl$. N-(β-Ethylcrotonate)-5-chloro-2-pyridonimide, preparation, transformations, 1252.
$C_{11}H_{13}O_2N_2I$. N-(β-Ethylcrotonate)-5-iodo-2-pyridonimide, preparation, 1251.
$C_{11}H_{14}O_2N_2S$. Phenylhydrazone of γ-methylmercapto-α-ketobutyric acid, preparation, reduction, 1854.
$C_{11}H_{15}ONS$. Isobornylxanthogenamide, preparation, properties, 835.
$C_{11}H_{23}O_3NP$. 1) Diisobutyl ester of β-cyanoethylphosphinic acid, 2038.
2) Dibutyl ester of β-cyanoethylphosphinic acid, 2038.

11, V

$C_{11}H_6O_4NClS$. Acid chloride of 2-cyanacetylcoumarone-5-sulfo acid, preparation, oxidation, 844.

Group C_{12}

12. I

$C_{12}H_{14}$. Diallylbenzene, formation, 740.

$C_{12}H_{18}$. 1) Diisopropylbenzene, preparation and transformation, 566.

2) Hexamethylbenzene, preparation, 565.

$C_{12}H_{20}$. 3,4-Dimethylbornylene, synthesis, properties, oxidation, 2406.

$C_{12}H_{26}$. n-Dodecane, cryoscopic constants, 1341.

12. II

$C_{12}H_8O_3$. 1) Naphthoylformic acid, ester, formation, 763.

2) Oxide of 2-phenyl-1,4-benzoquinone, preparation, properties, acetylation, 1827.

$C_{12}H_9N$. 1) Carbazole, formation from furanidine, 821.

2) Naphthylacetonitrile, oxidation, 763.

$C_{12}H_{10}O_2$. Naphthylacetic acid, oxidation of esters, 763.

$C_{12}H_{10}Hg$. Diphenylmercury, reaction with succinimide, 1403; photoreaction in mixed solvents, 2459.

$C_{12}H_{11}N$. Diphenylamine, reaction with maleic anhydride, 1563; reaction with ketene dimer, 2219.

$C_{12}H_{12}O$. Methyl-α-naphthyl methyl ether, preparation, properties, 123.

$C_{12}H_{12}O_4$. 1) Tubaic acid, synthesis, properties, derivatives, isomerization, 2318.

2) α-Benzylparaconic acid, preparation, properties, 396.

$C_{12}H_{12}O_5$. 2-Acetyl-4-hydroxy-5-carbomethoxycoumaran synthesis, properties, derivatives, transformation, 2315.

$C_{12}H_{12}N_2$. Benzidine, acetylation, 1642.

$C_{12}H_{14}O_2$. Isopropyl styryl ketonic ether, preparation, properties, semicarbazone, hydrogenation, 557.

$C_{12}H_{14}O_3$. Ethylphenylacetylacetate, condensation with 5-methyl-6-isothiouracil, 841.

$C_{12}H_{16}O$. 2-Phenyl-4-ethoxybutene-2, preparation, properties, oxidation, 549.

$C_{12}H_{16}O_2$. 1) Tert.-Amyltoluquinone, formation, reduction, 2429.

2) Benzylisobutyrylcarbinol, preparation, reaction with $MgBrCH_3$, 558.

$C_{12}H_{16}O_3$. 4-Butylphenoxyacetic acid, synthesis, 2398.

$C_{12}H_{16}O_4$. 1) 4-Ethoxyphenoxy-α-butyric acid, synthesis, properties, 361.

2) Methyl ester of β-(2,3-dimethoxyphenyl)-propionic acid, preparation, properties, conversion to amide, 1482.

3) 4-Butoxyphenoxyacetic acid, synthesis, properties, amide, 360.

$C_{12}H_{17}N$. Cyclohexylaniline, reaction with furanidine, 1067.

$C_{12}H_{18}O$. 1) Secondary butylphenetole, preparation, 754.

2) 3-Methoxy-5-tert-butyltoluene, preparation, properties, 735.

3) Ethyl-2,4,6-trimethylbenzyl ether, preparation, 125.

$C_{12}H_{18}O_2$. 1) 3-p-Tolylpentandiol-2,3, formation, 2088.

2) 1-p-Tolyl-2-methylbutanediol-1,2, formation, 2088.

3) Tert.-amyltoluhydroquinone, preparation, properties, 2430.

$C_{12}H_{20}O$. 1) 1-Methyl-4-isoamylcyclohexan-1-one-3. Preparation, properties, oxidation, derivatives, 772.

2) 3,4-Dimethylcamphor, synthesis, properties, reduction, 2406.

$C_{12}H_{22}O$. 3,4-Dimethylborneol, synthesis, properties, dehydration, 2406.

$C_{12}H_{24}N_2$. Diethylpseudoheliotridylamine, preparation, properties, 2517.

12. III

$C_{13}H_7ON$. Nitrile of α-naphthoylformic acid, preparation, 763.

$C_{12}H_{11}O_2N$. 2-Phenyl-4-isopropyliden-5-oxazolone, preparation, properties, reaction with amines, 1431.

$C_{12}H_{11}O_3N$. 1) Ethyl ester of 2-phenyloxazole-4-carboxylic acid, synthesis, properties, 153.

2) 2-Phenyl-4-ethoxymethyleneoxazolin-one-(5), preparation, properties, 623 reaction with amines, 1431.

$C_{12}H_{12}N_2S_2$. o,o'-Diaminodiphenyl disulfide, preparation, 2469.

$C_{12}H_{13}O_4N$. 1) Ethyl formylhippurate, preparation, isolation, properties, saponification, transformation, 621, 622.

2) Oxocotarnine, preparation, properties, hydrochloride, 355.

$C_{12}H_{13}O_5N$. Methylsuccinylanthranilic acid, preparation, properties, isomeric forms, 1060.

$C_{12}H_{14}O_3N_2$. Amide of ethoxymethylenehippuric acid, preparation, properties, 150.

$C_{12}H_{14}O_4N_2$. Delseminic acid, preparation, properties, 194.

$C_{12}H_{15}ON_3$. γ-Aceto-γ-(2-cyanethyl)-pimelonitrile, preparation, properties, 1791.

$C_{12}H_{15}O_2N$. ar-1-Hydroxy-4-(aminoaceto)-tetralin, see Hydrochloride, $C_{12}H_{16}O_2NCl$.

$C_{12}H_{15}O_3Br$. 1) 2-Bromo-4-ethylphenoxy-α-butyric acid, synthesis, 2398.

2) 2-Bromo-4-butylphenoxyacetic acid, synthesis, 2398.

$C_{12}H_{15}O_3N$. 1) Hydrocotarnine, preparation, 355.

2) Ethyl ester of benzoylsarcosine, preparation, saponification, 149.

$C_{12}H_{15}O_3Cl$. 2-Chloro-4-butylphenoxyacetic acid, synthesis, 2398.

$C_{12}H_{15}O_4N$. Cotarnine, reaction with caustic alkalies, 353.

$C_{12}H_{15}O_7N_3$. 2,4,6-Trinitro-3-methoxy-5-tert.-butyltoluene, preparation, properties, 735.

$C_{12}H_{16}O_4N_4$. α-Pipecoline, picrate, preparation, properties, 1792.

$C_{12}H_{16}O_6N_2$. x,x-Dinitro-3-methoxy-5-tert.-butyl-toluene, preparation, properties, 735.

$C_{12}H_{18}O_6N_4$. Product of the reaction of diacetyl-diketopiperazine with glycine ester, 331, with methyl glycine, 333.

$C_{12}H_{16}N_2S$. 2-(Diethylaminomethyl)-benzothiazole, synthesis, properties, 2303.

$C_{12}H_{17}ON$. 1) 5-Methoxypentenyl-2 aniline, preparation, 1805.

2) (3-Methoxy-1-vinylpropyl)-aniline, preparation, 1805.

3) Nitrile of α-naphthoylformic acid, preparation, 764.

$C_{12}H_{17}O_2N$. 1) Anilide of γ,γ-dimethyl-γ-hydroxybutyric acid, preparation, properties, 1681.

2) N-Methylsalsoline, preparation, properties, derivatives, 816.

$C_{12}H_{19}ON$. Dimethylaminopropyl ester of benzyl alcohol, synthesis, properties, hydrochloride, 634.

$C_{12}H_{21}ON$. 1-Isopropoxy-5-diethylaminopentene-3, preparation, properties, 1804.

$C_{12}H_{23}O_2Cl$. Diisoamylchloracetal, preparation, 2423.

$C_{12}H_{25}O_5P$. Ethyl α-diisopropylphosphoisobutyrate, preparation, properties, 2450.

$C_{12}H_{27}NS$. Diisoamylaminoethanethiol, preparation, properties, hydrochloride, 759.

12. IV

$C_{12}H_8O_5N_2S$. 6-Nitrocarbazolsulfonic-3 acid, coordination compounds with chrome and cobalt, 537.

$C_{12}H_9O_3NS$. 3-Carbazolsulfonic acid, coordination compounds with chrome and cobalt. 537.

$C_{12}H_{10}O_2N_2S_2$. 5-(Acetanilinomethylene)-rhodanine, preparation, conversion to dyestuffs, 849.

$C_{12}H_{12}ON_2S$. S-Methyl-6-benzylthiouracil, synthesis, properties, 841

$C_{12}H_{13}ONS$. 1) 2-(α-Acetyl)-ethylidene-3-methylbenzothiazoline, preparation, picrate, 174.

2) n-Butylbenzothiazolyl-(2) ketone, preparation, properties, derivatives, 2474.

$C_{12}H_{13}O_2NS$. 2-Carbethoxy-3-methylbenzothiazine, salt, 169.

$C_{12}H_{13}O_4N_3S_2$. Disulfan, polarographic investigation, 627.

$C_{12}H_{14}ON_2S$. N-Morpholylbenzothiazolyl-(2)-methane, synthesis, properties, 2304.

$C_{12}H_{14}O_3N_2S$. 2-Benzoylaminomethyl-4-carboxythiazolidine, properties, 623.

$C_{12}H_{15}ONS$. n-Butyl-[benzthiazolyl-(2)]-carbinol, preparation, properties, derivatives, oxidation, 2473.

$C_{12}H_{16}O_2NCl$. ar-1-Hydroxy-4-(aminoaceto)-tetralin hydrochloride, preparation, properties, 982.

$C_{12}H_{18}O_4N_2S$. N^{α}-Benzosulfolysine, (d and l forms), preparation, properties, 1246.

$C_{12}H_{19}O_4N_3S$. N^{α}-(p-Aminobenzosulfanil)-lysine, (d and l forms), preparation, properties, 1247.

$C_{12}H_{21}ONS$. 4-Methylisobornylxanthogenamide, preparation, properties, 835.

12. V

$C_{12}H_{14}O_2N_2SCl$. Basic streptocides, polarographic investigation, 627.

$C_{12}H_{16}O_4NSCl$. Methyl perchlorate of 2-ethyl-3-methylbenzothiazine, synthesis, 174; condensation with p-dimethylaminobenzaldehyde, 187.

Group C_{13}

13. I

$C_{13}H_{12}$. Diphenylmethane, formation, 569.

$C_{13}H_{14}$. Hydrocarbon, product of the action of phenylmagnesium bromide on dimethylvinylethynylchloromethane, 1604.

$C_{13}H_{18}$. 1-Methyl-1-phenylcyclohexane, preparation, properties, derivatives, 953.

$C_{13}H_{22}$. Product of the dehydration of tert.-propylborneol, 829.

$C_{13}H_{28}$. n-Tridecane, purification, physicochemical constants, 85; cryoscopic constants, transition temperature, 1341.

13. II

$C_{13}H_9N$. Acridine, reaction with bisulfites, 1885.

$C_{13}H_{10}O$. Benzophenone, polarographic investigation, 1965; coordination compounds with $AlBr_3$, 1975.

$C_{13}H_{11}N$. 1) Benzaldehyde, reaction with maleic anhydride, 1645.

2) 9,10-Dihydroacridine, preparation oxidation, 1885.

$C_{13}H_{12}O$. 2-Methoxy-1-vinylnaphthalene, polymer, synthesis, properties, 442

$C_{13}H_{14}O$. 1) 2,3-Dimethyl-5-phenylpentadiene-1,3-one, formation, properties, derivatives, oxidation, 2480.

2) 3,3-Dimethyl-5-phenylpentene-4-one-2 (dimethylphenylacetylenylacetyl methane), formation, properties, oxidation, 2481.

3) 2-Propoxynaphthalene, condensation with succinic anhydride, 647.

4) Ethyl-α-naphthyldimethyl ether, 123.

$C_{13}H_{14}O_2$. (2-Methoxy-1-naphthyl)-methylcarbinol. Preparation, properties, dehydration, 442.

$C_{13}H_{16}O_2$. 1) Trimethylphenylacetylenyl ethylene glycol, (2,3-dimethyl-5-phenylpentene-4-diol-2,3), preparation, action of 30% sulfuric acid, 2479.

2) 2,3-Dimethyl-5-phenylpentene-3-ol-2-one-5, formation, properties, 2481.

$C_{13}H_{16}N_4$. Di-(2-pyridylmethylamino)-methylene, synthesis, properties, 2119.

$C_{13}H_{18}O$. 4-(1-Methylcyclohexyl)-phenol, preparation, 956.

$C_{13}H_{18}O_4$. 1) 4-Propoxyphenoxy-α-butyric acid, synthesis, 361.

2) 4-Isoamoxyphenoxyacetic acid, synthesis, 360.

$C_{13}H_{19}N$. 1) Product of the action of acrylonitrile upon α- and β-pyronene, 2081, 2082.

2) 4-(1-Methylcyclohexyl)-aniline, preparation, properties, derivatives, 953.

$C_{13}H_{20}O$. 1) 3-Methoxy-4-tert.-amyltoluene, synthesis, nitration, 2429.

2) Product of the reaction of acrolein upon α- and β-pyronene, 2081.

$C_{13}H_{20}O_2$. 2,3-Dimethyl-5-phenylpentanediol-3,4, preparation, properties, oxidation, 559.

$C_{13}H_{20}O_3$. 1) 1-Methyl-4-isopropyl-4-carbethoxycyclohexen-1-one-3, preparation, decarboxylation, 769.

2) Ethyl camphorcarboxylate-3, reaction with diazobenzene, 399.

$C_{13}H_{22}O$. Tert-allylbornyl alcohol, preparation, properties, hydrogenation, 828.

$C_{13}H_{23}N$. Amines, product of reduction of $C_{13}H_{19}N$, 2082.

$C_{13}H_{24}O$. 1) 4-Propylborneol, preparation, properties, 829.

2) Tert.-Propylborneol, preparation, properties, dehydration, 828.

$C_{13}H_{24}N_2$. N-Pseudoheliotridyl piperidine, preparation, properties, 2517.

13. III

$C_{13}H_9O_4N$. β-(4-Nitronaphthyl-1)-acrylic acid, formation, 2435.

$C_{13}H_{10}O_3N_2$. p-Carboxyphenylnicotinylamide, synthesis, properties, 1687.

$C_{13}H_{10}O_5N_4$. 1) 4,4'-Dinitrophenylurea (4,4'-dinitrocarbanilide), preparation, 1421; hydrolysis, 2259; reaction with amines, 1155.

2) 3,3'-Dinitrodiphenylurea, reaction with amines, 1155.

$C_{13}H_{12}ON_2$. Diphenylurea (carbanilide), hydrolysis, 1637; nitration, 1421; reaction with p-nitroaniline, 1155.

$C_{13}H_{12}O_3N_2$. 1-(p-Nitrobenzoylhydroxymethylene)-2-ethoxypropionitrile, synthesis, 2112.

$C_{13}H_{15}OBr$ 1) 2-(α-Bromopropionyl)-tetralin, preparation, reaction with benzyl amine, 2441.

2) β-(5-Methoxy-1-naphthyl)-ethyl bromide, preparation, 1353.

$C_{13}H_{16}O_4N$. Ethyl ester of α-formylphenaceturic acid, preparation, properties, reduction 864.

$C_{13}H_{16}O_3N_2$. Amide of ethoxymethylene-N-methylhippuric acid, preparation, properties, 152.

$C_{13}H_{16}N_2S$. N-Piperidylbenzothiazolyl-(2)-methane, synthesis, properties, 2303.

$C_{13}H_{17}ON_3$. Dimethylaminoantipyridine (pyramidone), spot reaction for cobalt, 531.

$C_{13}H_{17}O_2N$. 1) ar-1-Hydroxy-4-(methylaminoaceto) tetralin, see hydrochloride, $C_{13}H_{18}O_2NCl$.

2) 4-(1-Methylcyclohexyl)-nitrobenzene, preparation, properties, 953.

$C_{13}H_{17}O_4N$. Carbobenzoxy-d,l-norvaline, synthesis, transformations, 1622.

$C_{13}H_{17}O_5N$. Ethyl methyl acetal of formylhippuric acid, preparation, 151.

$C_{13}H_{18}O_4N_2$. 3-Diethylaminomethyl-5-nitrosaligenin methylene ether. Preparation, properties, reduction, hydrochloride, comparison with Einhorn's "2-hydroxy-5-nitrobenzyldiethylamine", 584, 585.

$C_{13}H_{18}O_5N_2$. 2,6-Dinitro-3-methoxy-tert.-amyltoluene, synthesis, odor, 2429.

$C_{13}H_{19}ON$. 1'-(Tetralyl-2)-2'-(amino)-propanol, preparation, properties, hydrochloride, 2441.

$C_{13}H_{19}O_3N$. 6-Nitro-3-methoxy-4-tert.-amyl-toluene, preparation, properties, nitration, 2429.

$C_{13}H_{19}O_3P$. Ethyl ester of α-methyl-ω-phosphonostyrene, preparation, properties, saponification, 116.

$C_{13}H_{20}ON_2$. dl-Valyldecarboxyphenylalanine, synthesis, 1629.

$C_{13}H_{20}O_3N_2$. 3-Diethylaminomethyl-5-aminosaligenin methylene ether, preparation, properties, hydrochloride, 586.

$C_{13}H_{21}O_2N$. Acetylenic piperidol, 418.

$C_{13}H_{21}O_3Cl$. Isopropyl-(γ-chlorocrotyl)-acetoacetic ester, preparation, cyclization, 769.

$C_{13}H_{25}O_2N$. Ethylpiperidol, product of the hydrogenation of the piperidol $C_{13}H_{21}O_2N$, 419.

$C_{13}H_{17}ON$ 1-Butoxy-5-chloropentene-3, preparation, properties, 1804.

$C_{13}H_{27}O_3P$. Ethyl α-diisobutylphosphopropionate, preparation, properties, 2450.

13. IV

$C_{13}H_{15}ONS$. n-Amylbenzothiazolyl-(2)-ketone, preparation, properties, derivatives, 2475.

$C_{13}H_{15}O_2NHg$. Meistylmercury succinimide, preparation, properties, 719.

$C_{13}H_{17}ONS$. n-Amyl-[benzthiazolyl-(2)]-carbinol, preparation, properties, derivatives, oxidation, 2473.

$C_{13}H_{17}O_3NS$. 2-Methylaminophenyl-α-mercaptoacetoacetic ester, synthesis, 175.

$C_{13}H_{18}O_2NCl$. ar-1-Hydroxy-4-(methylaminoaceto)-tetralin hydrochloride, preparation, properties, 975.

$C_{13}H_{18}O_3N_2S$. Phenylhydrazone of the ethyl ester of γ-methylmercapto-α-ketobutyric acid, preparation, properties, 1855.

$C_{13}H_{19}O_2NS$. (1-Methylcyclohexyl)-benzenesulfamide, preparation, 954.

$C_{13}H_{28}O_4N_2S$. N^{α}-(p-Toluenesulfo)-lysine, (d and l

forms) preparation, properties, 1246.

13. V

$C_{13}H_{10}O_3NSNa$. Sulfite of sodium-acridinium, 1888.

$C_{13}H_{10}O_6NSCl$. Methyl perchlorate of 2-carbethoxy-3-methylbenzothiazine, synthesis, properties, 174; condensation with p-dimethylaminobenzaldehyde, 186.

Group C_{14}

14. I

$C_{14}H_{14}$. p,p-Ditolyl, preparation, 133.

$C_{14}H_{16}$. Butylnaphthalene, preparation, 754.

$C_{14}H_{20}$. 1) Butyltetralin, preparation, 754.
2) (1-Methylcyclohexyl)-toluene, preparation, 955.

$C_{14}H_{22}$. 1,4-Di-tert.-butylbenzene, preparation, 568.

$C_{14}H_{24}$. Dimer of 3-ethylpentadiene-1,3, 1232.

$C_{14}H_{30}$. n-Tetradecane, purification, physicochemical constants, 85; cryoscopic constants, 1341.

14. II

$C_{14}H_9N_3$. 9-Cyanacridine, synthesis, 2131.

$C_{14}H_9Br$. 9-Bromophenanthrene, preparation, reaction with phenyllithium, 1659.

$C_{14}H_{11}N$. 1) Phenylindole, sulfonation, 1415.
2) 2-Methylacridine, preparation, 1885.

$C_{14}H_{12}O$. p-Tolylphenylketone, polarographic investigation, 1965.

$C_{14}H_{12}O_4$. β-(2-Hydroxynaphthoyl-6)-propionic acid, preparation, 647.

$C_{14}H_{12}O_4$. Product of the acetylation of the oxide of 1,4-naphthoquinone, 1827.

$C_{14}H_{13}N$. 2-Methyl-9,10-dihydroacridine preparation, oxidation, 1885.

$C_{14}H_{14}Hg$. 1) Dibenzylmercury, reaction with succinimide, 1483; photoreaction with organoiodine compounds, 2193.
2) Di-o-tolylmercury, reaction with succinimide, 1483.

$C_{14}H_{15}N$. α,β-Diphenylethylamine, synthesis, 871.

$C_{14}H_{16}O$. 1) 1-Methyl-4-benzylcyclohexen-1-one-3, preparation, properties, oxidation, semicarbazone, 772.
2) 2-Butoxynaphthalene, condensation with succinic anhydride, 649.

$C_{14}H_{16}O_3$. 1) Lactone of [1-hydroxy-(5,6,7,8)-tetrahydronaphthyl-4]-hydroxybutyric acid, preparation, 139.
2) Benzoate of the β-hydroxy ethyl ether of dimethylacetenylcarbinol, preparation, properties, 1365.

$C_{14}H_{16}O_4$. 1) β-[1-Hydroxy-(5,6,7,8)-tetrahydronaphthoyl-4]propionic acid, reduction, 139.
2) α-Benzylparaconic ester, preparation, properties, 396.

$C_{14}H_{20}O_4$. 4-Butoxyphenoxy-α-butyric acid, synthesis, 361.

$C_{14}H_{20}N_2$. Phenylpseudoheliotridylamine, preparation, properties, dihydrochloride, 2517.

$C_{14}H_{22}O_2$. 3,8-Diethyldecadiyne-4,6-diol-3,8, synthesis, properties, 1233.

$C_{14}H_{22}O_3$. 1-Methy-4-n-butyl-4-carbethoxycyclohexen-1-one-3, preparation, properties, decarboxylation, 771.

$C_{14}H_{24}N_2$. 1) Piptantine, isolation, properties, derivatives, structure, 857.
2) Piptamine, isolation, properties, derivatives, structure, 858.

14. III

$C_{14}H_8O_7S$. Alizarinsulfonic acid, coordination compounds with chrome and cobalt, 539.

$C_{14}H_9O_2N$. Betaine of 2-pyridine-3(1)-hydroxy-1,4 (3,4)-naphthoquinone, preparation, structure, properties, oxidation, 611, 612.

$C_{14}H_{11}ON$. 1) 2-Methoxyacridine, preparation, 1885.
2) 1,8-o-Phenylene lepidone, preparation, 2224.

$C_{14}H_{11}NS$. 3-Phenylbenzothiazine, salt, 169.

$C_{14}H_{12}O_2N_2$. 1) 1,6-Dimethoxyphenazine, synthesis, 2266.
2) 1,8-Dimethoxyphenazine, synthesis, 2266.

$C_{14}H_{13}O_2N$. 1) α-Naphthalide of propionylformic acid, preparation, properties, 1675.
2) β-Naphthalide of propionylformic acid, preparation, properties, 1676.
3) N-Acetoacetyl carbazole, preparation, 2223.

$C_{14}H_{19}O_3N$. Product of the reaction of maleic anhydride and crotonylideneaniline, 1645.

$C_{14}H_{13}NS$. 2-Isopropyl-α-naphthothiazole, synthesis, properties, transformations, 2309.

$C_{14}H_{15}ON$. 1) α-(4-Hydroxyphenyl)-β-phenylethylamine, preparation, methoxy derivatives, 873.
2) 2-(Methylaminopropionyl)-naphthalene, preparation, hydrochloride, hydrogenation, 2440.

$C_{14}H_{15}O_3N$. 1) α-Naphthalide of α-hydroxyisobutyric acid, preparation, 1674.
2) β-Naphthalide of α-hydroxyisobutyric acid, preparation, 1674.

$C_{14}H_{17}ON$. 1'-(Naphthyl-2)-2'-(methylamino)-propanol, preparation, hydrochloride, properties, 2440.

$C_{14}H_{17}O_4N$. Ethoxymethylene hippurate, preparation, action of C_6H_5ONa, saponification, 150.

$C_{14}H_{17}NBr_2$. symm.-Amylbenzthiazolyl-2-ethylene, preparation, properties, 2474.

$C_{14}H_{19}ON$. 1) 2-Methylaminopropionyl)-tetralin, preparation, properties, hydrochloride, 2436.

2) Pseudoheliotridyl phenyl ether, preparation, properties, picrate, 2518.

$C_{14}H_{19}O_3Br$. 2-Bromo-4-butylphenoxy-α-butyric acid, synthesis, 2398.

$C_{14}H_{19}O_4N$. 1) Carbobenzoxy-dl-leucine, synthesis, transformations, 1623.

2) Carbobenzoxy-dl-norleucine, synthesis, transformations, 1623.

$C_{14}H_{19}O_5N$. Diethyl acetal of formylhippuric acid, formation, 150, 622.

$C_{14}H_{18}O_4N_2$. Diethyl acetal of formylhippuramide, preparation, properties, 150.

$C_{14}H_{18}N_2S$. 2-(Dipropylaminomethyl)-benzothiazole, synthesis, properties, 2303.

$C_{14}H_{21}ON$. 1) 2-(Methylaminopropanol)-tetralin, preparation, hydrochloride, properties, 2436.

2) Ethyl-(5-methoxypentenyl-2) aniline, preparation, properties, 1805.

$C_{14}H_{21}O_2N$. Anilide of γ,γ-diethyl-γ-hydroxybutyric acid, preparation, properties, 1682.

$C_{14}H_{22}ON_2$. 1) dl-Leucyldecarboxyphenylalanine, synthesis, 1630.

2) dl-Norleucyldecarboxyphenylalanine, synthesis, 1630.

$C_{14}H_{23}O_3Cl$. n-Butyl-(γ-chlorocrotyl)-acetoacetic ester, preparation, properties, cyclization, 770.

$C_{14}H_{28}O_3N_4$. Di-exo-acetylglycinemethyl ester of 2,5-dihydropyrazinamidine hydrate, synthesis, properties, 333.

$C_{14}H_{31}ON$. Diethylaminopropyl ester of benzyl alcohol, synthesis, properties, hydrochloride, 633.

$C_{14}H_{31}O_3P$. Ethyl α-diisobutylphosphoisobutyrate, preparation, properties, 2450.

14. IV

$C_{14}H_9ONS$. 1) Phenyl benzthiazolyl-2- ketone, preparation, properties, derivatives, 2466.

2) Sulfur analog of the betaine of $C_{14}H_9O_2N$, 613.

$C_{14}H_9O_4NS$. 4-Nitrophenylthiophthalide, synthesis, properties, oxidation, reduction, 1698.

$C_{14}H_9O_6NS$. 4-Nitrophenylsulfonephthalide, synthesis, properties, reduction, 1698.

$C_{14}H_{11}ONS$. Phenylbenzothiazolyl-(2)-carbinol, preparation, properties, oxidation, 2466.

$C_{14}H_{11}O_2NS$. 4-Aminophenylthiophthalide, synthesis, properties, 1698.

$C_{14}H_{11}O_3NS$. 2-Phenylindolesulfonic-3 acid, synthesis, properties, 1415.

$C_{14}H_{11}O_4NS$. 4-Aminophenylsulfonephthalide synthesis, properties, 1698.

$C_{14}H_{11}O_3NBr_2$. Ethyl ester of 2,4-dibromo-1-naphthyl-oxamic acid, 2059.

$C_{14}H_{12}ON_2S_3$. 5-(3'-Ethylbenzothiazolinylidene-2'-ethylidene)-thiazolidinethion-2-one-4; preparation, properties, 849.

$C_{14}H_{12}ON_4Cl_2$. 5'-Chloropyridylamide of β-(5-chloropyridyl-2)aminocrotonic acid, preparation, properties, 1253.

$C_{14}H_{12}ON_4Br_2$. 5'-Bromopyridylamide of β-(5'-bromopyridyl-2)aminocrotonic acid, preparation, properties, 1252.

$C_{14}H_{12}O_2NBr$. 1) Ethyl ester of 1-bromo-2-naphthyloxamic acid, 2059.

2) Ethyl ester of 4-bromo-1-naphthyloxamic acid, 2059.

$C_{14}H_{13}O_4N_2S$. 1) β-Phenylaminoethyl-2,4-dinitrophenyl sulfide, preparation, 761.

2) p-Benzenesulfoacetamide-nicotinylamide, synthesis, properties, 1687.

$C_{14}H_{14}ON_2S$. p-Aminophenacyl-p'-aminophenyl sulfide, preparation, properties, 1814.

$C_{14}H_{17}ONS$. n-Hexylbenzothiazolyl-2 ketone, preparation, properties, derivatives, 2475.

$C_{14}H_{17}O_2NCl$. ar-1-Hydroxy-4-(methylaminoaceto)-tetralin hydrochloride, preparation, 980.

$C_{14}H_{17}O_4NS$. p-Acetaminophenacyl (ethyl glycolate) sulfide, synthesis, properties, oxidation, 1812.

$C_{14}H_{17}O_6NS$. p-Acetaminophenacyl-(ethyl glycolate)-sulfide, preparation, properties, 1812.

$C_{14}H_{19}ONS$. n-Hexyl-[benzthiazolyl-(2)]-carbinol, preparation, properties, derivatives, 2473.

$C_{14}H_{19}O_4NS$. 4-Nitrophenylthiophthalide, synthesis, properties, oxidation, reduction, 1697.

14. V

$C_{14}H_{12}ON_4ClBr$. 5'-Bromopyridylamide of β-(5-chloropyridyl-2)-aminocrotonic acid, preparation, properties, 1253.

$C_{14}H_{12}ON_4ClI$. 5'-Chloropyridylamide of β-(5-iodopyridyl-2)-aminocrotonic acid, preparation, properties, 1253.

$C_{14}H_{12}O_3NSNa$. Sulfite of sodium-2-methylacridinium, 1890.

$C_{14}H_{12}O_4NSNa$. Sulfite of sodium-2-methoxyacridinium, 1891.

$C_{14}H_{13}N_3O_5SNa$. Sodium salt of 3-nitro-4-p-toluenesulfaminoanisole, preparation, 972.

$C_{14}H_{15}O_3NSP$. Ethyl ester of 4-phosphonomethyl-2-phenylthiazole, preparation, saponification, 2077.

Group C_{15}

15. I

$C_{15}H_{12}$. 9-Methylphenanthrene, synthesis, 1662; bromination, 1663.

$C_{15}H_{14}$. 9-Methyl-9',10-dihyroanthracene, formation, 741.

$C_{15}H_{16}$. 1,2-Diphenylpropane, formation, 740; nitration, 741.

$C_{15}H_{18}$. Guaiazulene, formation, derivatives, 2326.

$C_{15}H_{24}$. 1) Triisopropylbenzene, preparation, 566.

2) Ledene, hydrogenation, 2322, oxidation, 2327.
3) Leddiene, hydrogenation, 2322, dehydrogenation, 2327.

$C_{15}H_{28}$. 1) Dihydroledene, preparation, properties, 2321.
2) Dihydroleddiene, preparation, properties, 2322.

$C_{15}H_{28}$. Tetrahydroleddiene, preparation, properties, 2322.

$C_{15}H_{32}$. n-Pentadecane, purification, physicochemical constants, 85; cryoscopic constants, transition temperature, 1341.

15, II

$C_{15}H_{10}O_2$. Phenanthrene-9-carboxylic acid, preparation, 1659.

$C_{15}H_{10}N_2$. 2-Methyl-9-cyanacridine, synthesis, properties, 2134.

$C_{15}H_{11}Br$. 9-Methyl-10-bromophenanthrene, synthesis, reaction with butyllithium, 1663, 1664.

$C_{15}H_{12}O$. 3-Hydroxy-6-methylphenanthrene, preparation, properties, 1278.

$C_{15}H_{13}Br$. 1,1-Diphenyl-2-bromopropanol-1, formation, oxidation, 573, 574.

$C_{15}H_{13}N$. Cinnamylideneaniline, reaction with maleic anhydride, 1645.

$C_{15}H_{14}O_3$. 4-Benzylphenoxyacetic acid, synthesis, 2398.

$C_{15}H_{14}O_4$. Product of the acetylation of the oxide of 2-methyl-1,4-naphthoquinone, 1828.

$C_{15}H_{16}O$. 1) Di-p-tolylcarbinol, preparation, 133.
2) Di-o-tolylcarbinol, preparation, 133.
3) 3-Keto-6-methyl-1,2,3,9,10,11-hexahydrophenanthrene, preparation, properties, derivatives, dehydrogenation, 1279.
4) 1,1-Diphenylpropanol-1, bromination, 575.

$C_{15}H_{18}O_3$. Lactone of [1-methoxy-(5,6,7,8)-tetrahydronaphthyl]-4-hydroxybutyric acid, preparation, properties, 138.

$C_{15}H_{18}O_4$. 1) 4,7-Dihydroxy-6-hexylcoumarin, preparation, properties, 1895.
2) β-[1-Methoxy-(5,6,7,8)-tetrahydronaphthoyl-4]-propionic acid, reduction, 138.

$C_{15}H_{22}O_2$. Acetic ester of 4(1-Methylcyclohexyl)-phenol, properties, 956.

$C_{15}H_{28}N_4$. Di-(2-dimethylamino-5-pyridyl)-methane, synthesis, 2119.

$C_{15}H_{22}O_4$. 4-Isoamoxyphenoxy-α-butyric acid, preparation, properties, 361.

$C_{15}H_{24}O$. Isoamyl-2,4,6-trimethylbenzyl ether, preparation, properties, 124.

$C_{15}H_{24}O_3$. 1) 1-Methyl-4-isoamyl-4-carbethoxycyclohexen-1-one-3, preparation, properties, decarboxylation, 771.
2) Ledoic acid, preparation, properties, derivatives, oxidation, 2328.

$C_{15}H_{24}O_4$. 1) α-Hydroxyledoic acid, preparation, properties, derivatives, 2329.
2) β-Hydroxyledoic acid, preparation, properties, derivatives, 2330.

$C_{15}H_{26}O$. Ledol, structure, 2325.

$C_{15}H_{26}O_2$. Ledglycol, preparation, properties, transformation, oxidation, 2328.

$C_{15}H_{26}N_2$. 1) N-Methylpiptantine, preparation, properties, 858.
2) N-Methylpiptamine, preparation, properties, 857.

15, III

$C_{15}H_9O_3N$. Betaine of 2-pyridine-3(1)-hydroxy-1,4(3,4)-naphthoquinone, hydrolytic cleavage, 599; chlorination, 607; oxidative-hydrolytic transformation, 1131.

$C_{15}H_{10}ON_2$. 2-Methoxy-9-cyanacridine, synthesis, 2134.

$C_{15}H_{10}O_4N_4$. 4-(p-Nitrobenzeneazo)-2-phenyl-5-oxyoxazole, synthesis, cleavage with ammonia, 167.

$C_{15}H_{10}N_2S_3$. 2-[Benzothiazolyl-(2)-methylmercapto]-benzothiazole, synthesis, properties, 2302.

$C_{15}H_{11}O_3N_3$. 4-Benzeneazo-2-phenyl-5-oxyoxazole, synthesis, cleavage with ammonia, 168.

$C_{15}H_{11}O_3N$. 1) γ-Keto-γ-phenyl-α-(2-nitrophenyl)-propylene, synthesis, 878.
2) γ-Keto-γ-(2-nitrophenyl)-α-phenyl-propylene, synthesis, 878.

$C_{15}H_{12}O_3Br_2$. 4-Benzyl-2,6-dibromophenoxyacetic acid, synthesis, derivatives, 2400.

$C_{15}H_{12}O_3Cl_2$. 4-Benzyl-2,6-dichlorophenoxyacetic acid, synthesis, derivatives, 2399.

$C_{15}H_{12}O_9N_4$. 2',4',2'',4''-Tetranitro-1,2-diphenylpropane, preparation, properties, 741.

$C_{15}H_{13}ON$. 1) γ-Keto-γ-(2-aminophenyl)-α-phenylpropylene, preparation, properties, 878.
2) γ-Keto-γ-phenyl-α-(2-aminophenyl)-propylene, preparation, properties, hydrochloride, 878.

$C_{15}H_{13}O_3Br$. 4-Benzyl-2-bromophenoxyacetic acid, synthesis, derivatives, 2399.

$C_{15}H_{13}O_3Cl$. 4-Benzyl-2-chlorophenoxyacetic acid, synthesis, derivatives, 2399.

$C_{15}H_{13}O_4N_5$. Product of action of NH_3 on 4-(p-nitrobenzeneazo)-phenyl-5-oxyoxazole, 167.

$C_{15}H_{14}O_2N_4$. Product of action of NH_3 on 4-benzeneazo-2-phenyl-5-oxyoxazole, 168.

$C_{15}H_{14}O_4N_2$. Di-(2-methyl-5-nitrophenyl)-methane, preparation, properties, 1271.

$C_{15}H_{14}O_6N_4$. 4,4'-Dinitro-2,2'-dimethylcarbanilide, reaction with amines, 1153.

$C_{15}H_{15}OBr$. 1,1-Diphenyl-2-bromopropanol-1, preparation, 575.

$C_{15}H_{15}O_2N$. 4'-Nitro-1,2-diphenylpropane, preparation, properties, 741.

$C_{15}H_{15}NS$. 1) 2-Butyl-α-naphthothiazole, synthesis,

properties, transformations, 2309.

2) 2-Isobutyl-α-naphthothiazole, synthesis, properties, transformations, 2309.

$C_{15}H_{18}NCl$. α-Phenyl-γ-(2-chlorophenyl)-propylamine, preparation, properties, 875.

$C_{15}H_{17}ON$. α-(4-Methoxyphenyl)-β-phenylethylamine, preparation, 872.

$C_{15}H_{19}O_2Cl$. α-(3-Chlorocrotyl)-γ-(p-tolyl)-butyric acid, preparation, properties, hydrolysis, cyclization, 1278.

$C_{15}H_{19}O_3N$. 2-Oxo-4-amino-6-hexyl-7-hydroxychroman, preparation, properties, 1895.

$C_{15}H_{19}O_4N$. Ethoxymethylene-N-methyl hippurate, preparation, properties, 152; saponification, reaction with alcohol elements, 152, 153.

$C_{15}H_{21}O_5N$. Diethyl acetal of α-formylphenaceturic acid, preparation, 865.

$C_{15}H_{23}O_2N$. Vinylacetylenicpiperidol, synthesis, properties, hydrogenation, 419.

$C_{15}H_{25}O_3Cl$. Isoamyl-(γ-chlorocrotyl)-acetoacetic ester, preparation, properties, cyclization, 771.

$C_{15}H_{29}O_2N$. Butylpiperidol, preparation, properties, hydrochloride, 419.

$C_{15}H_{33}O_4P$. Product of the addition of diisobutylphosphorous acid to β,β-dimethyl divinyl ketone, 427.

$C_{15}H_{33}O_7P$. Diisobutylphosphomalonic ester, preparation, properties, 2451.

15. IV

$C_{15}H_4O_3NCl_2$. 2-Chloro-2-pyridine-1,2,3,4-tetrahydronaphthalene-1,3,4-trione chloride, hydrolytic cleavage, 611.

$C_{15}H_{11}O_2NS$. 2-Benzoylhydroxymethylbenzothiazole, synthesis, properties, methiodide, 2300.

$C_{15}H_{12}O_5NCl$. Base – product of hydrolytic cleavage of 2-chloro-2-pyridine-1,2,3,4-tetrahydronaphthalene-1,3,4-trione chloride, formation, salt, transformation, 610.

$C_{15}H_{14}ONCl$. 1) Hydrochloride of γ-keto-γ-phenyl-α-(2-aminophenyl)-propylene, preparation, 878.

2) Oxime of γ-keto-γ-phenyl-α-(2-chlorophenyl)-propane, preparation, 875.

$C_{15}H_{14}ON_2S_2$. 1) 2-Methylmercapto-5-(3'-ethylbenzothiazolinylidene-2'-ethylidene)-thiazolinone-4, preparation, properties, 850.

2) 3-Methyl-5-(3'-ethylbenzothiazolinylidene-2'-ethylidene)-thiazolidinethion-2-one-4, preparation, properties, 849.

$C_{15}H_{14}O_2N_2S$. 3-Methyl-(3'-ethylbenzothiazolinylidene-2'-ethylidene)-thiazolidinethione-2,4, preparation, properties, 847.

$C_{15}H_{16}O_5N_2S$. 2-Nitro-4-methoxy-N-methylanilide of p-toluenesulfonic acid, preparation, reaction with H_2SO_4, 972.

$C_{15}H_{16}ON_2S_2$. Bis-(benzothiazolyl-(2)-ketone, synthesis, properties, derivatives, 2467.

$C_{15}H_{16}O_5N_2S$. Ethyl α-(4-carboxy-2-thiazolidyl)-hippurate, preparation, properties, hydrobromide, 623.

$C_{15}H_{24}O_4NP$. α-Diisopropylphosphopropionanilide, preparation, properties, 2451.

15. V

$C_{15}H_{14}O_4NSCl$. 1) Phenyl perchlorate of 3-methylbenzothiazine, synthesis, 174.

2) Methyl perchlorate of 3-phenylbenzothiazine, condensation with aldehydes, 186.

$C_{15}H_{26}O_4NSP$. Ethyl ester of 4-phosphonomethyl-2-p-methoxyphenylthiazole, preparation, saponification, 2077.

Group C_{16}

16. I

$C_{16}H_{14}$. 1) 9-Ethylphenanthrene, synthesis, 1663.

2) 9,10-Dimethylphenanthrene, synthesis, 1664.

$C_{16}H_{26}$. Diamylbenzenes, formation, 569.

$C_{16}H_{34}$. n-Hexadecane, purification, physicochemical constants, 85; cryoscopic constants, 1341.

16. II

$C_{16}H_8O_4$. Glycols, product of transformation of the oxide of 1,4-naphthoquinone, 1005.

$C_{16}H_{10}O_3$. Oxide of 2-phenyl-1,4-naphthoquinone, preparation, oxidizing ability, 1826.

$C_{16}H_{11}N$. 3-Amino-5-tert.-butyltoluene, preparation, 734.

$C_{16}H_{12}O_2$. 9-Methylphenanthrene-10-carboxylic acid, preparation, 1664.

$C_{16}H_{12}N_2$. 1-Benzeneazonaphthalene, absorption spectrum, 1455.

$C_{16}H_{13}N_3$. 4-Benzeneazo-1-naphthalamine, absorption spectrum, 1455.

$C_{16}H_{14}O$. β-Hydroxyethylphenanthrene, synthesis, 1659.

$C_{16}H_{14}O_2$. Diphenylcyclopropylcarboxylic acid, preparation, properties, 2216.

$C_{16}H_{15}N$. 1) Cinnamylidene-p-toluidine, reaction with maleic anhydride, 1646.

2) Cinnamylidene-m-toluidine, reaction with maleic anhydride, 1647.

3) Cinnamylidene-o-toluidine, reaction with maleic anhydride, 1647.

$C_{16}H_{16}O$. 1) Allylbenzohydryl ether, preparation properties, 2212.

2) Diphenylcyclopropyl carbinol, preparation, properties, transformations, 2215.

$C_{16}H_{16}O_3$. Lactone of (2-ethoxynaphthyl-6)-hydroxy butyric acid, preparation, 139.

$C_{16}H_{16}O_4$. (2-Ethoxynaphthoyl-6)-propionic acid,

reduction, 139.

$C_{16}H_{17}O_3$. Benzoyl derivatives of methyl-p-toluyl-carbinol, preparation, properties, 750.

$C_{16}H_{18}O_3$. 1) 1-Phenyl-1-p-tolylpropanediol-1,2, formation, 2088.

2) 1-Phenyl-1-tolylpropanediol-1,2 formation, 2087.

3) 1-p-Tolyl-2-phenylpropanediol-1,2, formation, 2088.

$C_{16}H_{18}O_3$. Lactone of [1-ethoxy-(5,6,7,8)-tetrahydronaphthyl-4]-hydroxybutyric acid, synthesis, properties, 137.

$C_{16}H_{20}O_4$. 1) β-[1-Ethoxy-(5,6,7,8)-tetrahydronaphthoyl-4]-hydroxybutyric acid, reduction, 137.

2) Ethyl ester of 1-hydroxy-4-tetrahydronaphthoylpropionic acid, preparation, 977.

$C_{16}H_{20}Sn$. Diethyldiphenyltin, detachment of radicals, 1107.

$C_{16}H_{21}N_3$. 2-Dimethylamino-5-pyridyl-(p-dimethylaminophenyl)-methane, synthesis, properties, derivatives, 2119

$C_{16}H_{24}N_2$. Methylbenzylpseudoheliotridylamine, preparation, properties, 2516.

$C_{16}H_{26}O_2$. 1) Methyl ester of ledoic acid, preparation, 2328.

2) Product of the condensation of the addition product of acrolein and α-pyronene with ethyl acetate, 2081.

$C_{16}H_{33}N_3$. Octylpseudoheliotridylamine, preparation properties, 2516.

16. III

$C_{16}H_{11}O_2N$. 2-Phenyl-4-benzyliden-5-oxazolone, preparation, properties, reaction with amines, 1431.

$C_{16}H_{12}ON_2$. 1) 2-Benzeneazo-1-naphthol, absorption spectrum, 1451.

2) 4-Benzeneazo-1-naphthol, absorption spectrum, 1451.

$C_{16}H_{12}O_2N_2$. 1) 2-(o-Hydroxy)-benzeneazo-1-naphthol, absorption spectrum, 1451.

2) 4-(p-Hydroxy)-benzeneazo-1-naphthol, absorption spectrum, 1451.

3) 2-Phenyl-4-(1-phenylaminoethyliden)-5-oxazolone, preparation, properties, reaction with amines, 1431.

$C_{16}H_{12}N_2S_2$. Bis-benzothiazolyl-(2)-sulfide, synthesis, properties, 2302.

$C_{16}H_{12}ON_2$. 1) 2-Benzeneazo-1,5-aminonaphthol, absorption spectrum, 1451.

2) 8-Benzenazo-1,5-aminonaphthol, absorption spectrum, 1451.

3) 5-Benzeneazo-2,8-aminonaphthol, preparation, properties, 992.

4) 1-Benzeneazo-2,8-aminonaphthol, preparation, properties, 990.

$C_{16}H_{12}O_2N_2$. 1) 8-(p-Hydroxy)-benzeneazo-1,5-aminonaphthol, absorption spectrum, 1451.

2) 5-(p-Hydroxy)-benzeneazo-2,8-aminonaphthol, absorption spectrum, 1451.

3) 1-(Peri-hydroxy)-benzeneazo-2,8-aminonaphthol, absorption spectrum, 1451.

4) 4-p-Toleneazo-2-phenyl-5-oxazole, preparation, 165.

$C_{16}H_{13}O_4N$. γ-Keto-γ-(2-nitrophenyl)-α-(4-methoxyphenyl)-propylene, synthesis, 879.

$C_{16}H_{13}N_3S_2$. Bis-[benzothiazolyl-(2)-methyl]-amine, synthesis, properties, acetylation, 2302.

$C_{16}H_{14}ON_4$. 2-(o-Amino)-benzeneazo-1,5-aminonaphthol, absorption spectrum, 1451.

$C_{16}H_{14}O_3N_4$. 2-(2'-Nitrobenzylidene)-amino-5-methoxy-1-methylbenzimidazole, preparation, properties, 974.

$C_{16}H_{15}ON$. Cinnamylidene-p-anisidine, reaction with maleic anhydride, 1647.

$C_{16}H_{15}O_2N$. γ-Keto-γ-(2-aminophenyl)-α-(4-methoxyphenyl)-propylene, preparation, properties, 879.

$C_{16}H_{15}NS$. Diethylaminoethanethiol, preparation, 759.

$C_{16}H_{16}O_2N_2$. 1) Ethylidenedibenzamide, synthesis, structure, 1634.

2) 1,6-Diethoxyphenazine, synthesis, 2269.

3) 1,8-Diethoxyphenazine, synthesis, 2270.

$C_{16}H_{16}O_4N_2$. Di-(m)-aniside of oxalic acid, synthesis, 2067.

$C_{16}H_{17}O_2N$. Oxime of β-keto-α-phenyl-β-(2,5-dimethoxyphenyl) ethane, preparation, 873

$C_{16}H_{17}O_2N_3$. m-Acetoaminodimethylaniline, synthesis, action of phosphorus pentasulfide, 2289.

$C_{16}H_{17}NS$. 2-Amyl-α-naphthothiazole, synthesis, properties, transformations, 2309.

$C_{16}H_{19}ON_3$. 2-Dimethylamino-5-pyridyl-(p-dimethylaminophenyl) ketone, synthesis, 2120.

$C_{16}H_{19}O_3N$. 1) α-(2,5-Dimethoxyphenyl)-β-phenylethylamine, synthesis, 873.

2) α,β-Di-(4-methoxyphenyl)-ethylamine, preparation, derivatives, 874.

3) α-Naphthalide of diethylglycolic acid, preparation, properties, 1674.

4) β-Naphthalide of diethylglycolic acid, preparation, properties, 1675.

$C_{16}H_{19}O_4Cl$. β-(p-Tolyl)-ethyl-(γ-chloro)crotylmalonic acid, preparation, decarboxylation, 1278.

$C_{16}H_{19}N_3S$. 2-Dimethylamino-5-pyridyl-(p-dimethylaminophenyl) thione, synthesis, properties, 2119.

$C_{16}H_{20}ON_2$. α-Phenyl-γ-(4-methoxyphenyl)-γ-(amino)-propylamine, preparation, properties, 877.

$C_{16}H_{20}O_3N_2$. Piperidide of α-benzoylamino-β-hydroxycrotonic acid, preparation, properties, 1437.

$C_{16}H_{20}N_2S_2$. α,α-Bis-(4-aminophenylthio)-butane, synthesis, properties, dihydrochloride, 1690.

$C_{16}H_{21}ON_3$. 2-Dimethylamino-5-pyridyl-(p-di-

methylaminophenyl)-carbinol, synthesis, 2120.

$C_{16}H_{21}O_3N$. Anilide of γ,γ-diallyl-γ-hydroxybutyric acid, preparation, properties, 1682.

$C_{16}H_{23}O_2N$. ar-1-Hydroxy-4-(diethylaminoaceto)-tetralin, see hydrochloride, $C_{16}H_{24}O_2NCl$.

$C_{16}H_{25}O_3N$. Diethylacetal of formyl hippurate, methylation, 145, preparation, 151; preparation, 622.

$C_{16}H_{24}O_{12}N_4$. N,N'-exo-dimethoxyoxalyldihyrate-2,5-diglycylmethyl ester of dihydropyrazinamidine, preparation, properties, 1021.

$C_{16}H_{25}ON_2$. N-Acetylpiptantine, preparation, properties, 858.

$C_{16}H_{26}O_6N_4$. 2,5-Diethyl ester of glycyl-glycine dihydropyrazineamidine, hydrochloride, preparation, transformation, 819.

$C_{16}H_{28}O_6P_2$. Ethyl ester of diphosphonostyrene, preparation, properties, saponification, 113.

$C_{16}H_{28}O_8N_4$. Product of the reaction of diacetyldiketopiperazine with glycine ester, 330.

$C_{16}H_{28}N_2S_4$. Thiuram, disulfide, of γ-ethyl-piperidine, preparation, properties, 1427.

16. IV

$C_{16}H_{12}O_4N_2S$. 2-Benzeneazo-1-naphthol-4-sulfo acid, dissociation constant, 1165.

$C_{16}H_{13}O_4N_2S$. 1) 1-Benzeneazo-2,8-aminonaphthol-5-sulfoacid, preparation, properties, 1265.

2) 1-Benzeneazo-2,8-aminonaphthol-6-sulfo acid, synthesis, structure, transformation, 1263.

3) 1-Benzeneazo-2,8-aminonaphthol-7-sulfo acid, preparation, properties, 1265.

4) 2-Benzeneazo-1,5-aminonaphthol-4-sulfo acid, absorption spectrum, 1458; dissociation constants, 1165.

5) 2-Benzeneazo-1,5-aminonaphthol-6-sulfo acid, absorption spectrum, 1459; dissociation constants, 1165.

6) 2-Benzeneazo-1,5-aminonaphthol-7-sulfoacid, absorption spectrum, 1458; dissociation constants, 1165.

7) 2-Benzeneazo-1,5-aminonaphthol-8-sulfo acid, absorption spectrum, 1459; dissociation constants, 1165.

8) 4-Benzeneazo-1,5-aminonaphthol-2-sulfo acid, absorption spectrum, 1458; dissociation constants, 1165.

9) 5-Benzeneazo-2,8-aminonaphthol-7-sulfo acid, preparation, properties, 1262.

10) 6-Benzeneazo-1,5-aminonaphthol-7-sulfo acid, absorption spectrum, 1458; dissociation constants, 1165.

11) 6-Benzene-azo-1,5-aminonaphthol-8-sulfo acid, absorption spectrum, 1459; dissociation constants, 1165.

12) 7-Benzeneazo-2,8-aminonaphthol-6-sulfo acid, preparation, properties, 1263.

13) 7-Benzeneazo-2,8-aminonaphthol-6-sulfo acid, preparation, properties, 1263.

14) 8-Benzeneazo-1,5-aminonaphthol-2-sulfo acid, absorption spectrum, 1458; dissociation constants, 1165.

15) 8-Benzeneazo-1,5-aminonaphthol-4-sulfo-acid, absorption spectrum, 1458; dissociation constants, 1165.

16) 8-Benzeneazo-1,5-aminonaphthol-6-sulfo acid, absorption spectrum, 1459; dissociation constants, 1165.

$C_{16}H_{13}O_6NS$. 4-Nitrophenylthio-6,7-dimethoxy-phthalide, synthesis, properties, oxidation, reduction, 1697.

$C_{16}H_{13}O_8NS$. 4-Nitrophenylsulfone-6,7-dimethoxy-phthalide, synthesis, properties, reduction, 1697.

$C_{16}H_{14}O_4N_2S$. p-Acetaminophenacyl-p'-nitrophenyl-sulfide, preparation, properties, reduction, 1814.

$C_{16}H_{14}O_6N_2S$. p-Acetaminophenacyl-p'-nitrophenyl sulfone, preparation, properties, reduction, 1814.

$C_{16}H_{15}O_4NS$. 4-Aminophenylthio-6,7-dimethoxy-phthalide, synthesis, properties, hydrochloride, 1697.

$C_{16}H_{15}O_6NS$. 4-Aminophenylsulfone-6,7-dimethoxy-phthalide, synthesis, properties, hydrochloride, 1697.

$C_{16}H_{18}O_7N_2S$. 1) 2-(Ethylaminomethyl)-benzothiazole, synthesis, properties, 2302.

2) 2-(Dimethylaminomethyl)-benzothiazole, synthesis, properties, 2302.

3) m-Thioacetaminodimethylaniline, preparation, reaction with potassium ferricyanide, 2289.

$C_{16}H_{16}O_2NCl$. Hydrochloride of γ-keto-γ-(2-aminophenyl)-α-(4-methoxyphenyl)-propylene, synthesis, 879.

$C_{16}H_{16}O_2N_2S$. p-Acetaminophenacyl-p'-aminophenyl sulfide, preparation, properties, 1814.

$C_{16}H_{16}O_4N_2S$. p-Acetaminophenacyl-p'-aminophenyl-sulfone, preparation, properties, reduction, saponification, 1814.

$C_{16}H_{16}O_4N_2S_2$. α,α,-Bis-(4-nitrophenylthio)-butane, synthesis, properties, reduction, 1689.

$C_{16}H_{17}O_7N_2S$. m-Thioacetaminodimethylaniline, preparation, reaction with potassium ferricyanide, 2290.

$C_{16}H_{20}O_5N_2S$. Ethyl ester of α-(4-carboxy-2-thiazolidyl)-phenaceturic acid, preparation, 865.

$C_{16}H_{22}O_2N_4Cu$. Copper salt of 2-butyryl ketone ketoxime, 295.

$C_{16}H_{22}O_{10}N_4Cl_2$. N,N-exo-Dichloroxalyldihydrate-2,5-ethyldiglycine-dihydropyrazinamidine, formation, properties, transformation, 1019.

$C_{16}H_{24}O_2NCl$. ar-1-Hydroxy-4-(diethylaminoaceto)-tetralin hyrochloride, preparation, properties, 983.

$C_{16}H_{26}O_4NP$. α-Diisopropylphosphopropion-p-toluide, preparation, properties, 2451.

$C_{16}H_{32}O_6N_4C_{12}$. Hydrochloride of the 2,5-diethyl ester of glycyl glycine dihydropyrazinamidine, synthesis, properties, 319.

$C_{16}H_{26}O_6N_4C_{12}$. di-exo-N-Chloroacetyl-glycine-ethyl ester of 2,5-dihydropyrazinamidine hydrate, synthesis, 336.

Group C_{17}

17. I

$C_{17}H_{18}$. 2,7,9-Trimethyl-9¹, 10-dihydroanthracene, formation, properties, 742.

$C_{17}H_{20}$. 2',2''-Dimethyl-1,2-diphenylpropane, formation, 743.

$C_{17}H_{22}$. Benzylidenecamphane, dextrorotatory, preparation, properties, 830.

17. II

$C_{17}H_{16}O$. 9-Methyl-10-β-hydroxyethylphenanthrene, synthesis, 1664.

$C_{17}H_{17}N$. Cinnamylidene-m-xylidene, reaction with maleic anhydride, 1647.

$C_{17}H_{18}O_3$. 1) 4-Benzylphenoxy-α-butyric acid, synthesis, 2400.

2) γ-(2-Propoxynaphthyl-6)-butyrolactone, preparation, 648.

3) Lactone of (2-propoxynaphthyl-6)-propionic acid, preparation, 136.

$C_{17}H_{18}O_4$. β-(2-Propoxynaphthoyl-6)-propionic acid, synthesis, 647; reduction, 136, 647; derivatives, 647.

$C_{17}H_{22}O_2$. 1,3-Diphenylpentanediol-2,3, preparation, properties, oxidation, 560.

$C_{17}H_{22}O_3$. 1) γ-(2-Propoxynaphthyl-6)-butyric acid, preparation, 648.

2) 1-Methyl-4-benzyl-4-carbethoxycyclohexen-1-one-3, preparation, properties, decarboxylation, 772.

$C_{17}H_{22}O_3$. Lactone of [1-propoxy-(5,6,7,8)-tetrahydronaphthyl-4]-hydroxybutyric acid, preparation, properties, 138.

$C_{17}H_{22}O_4$. β-[1-Propoxy-(5,6,7,8)-tetrahydronaphthoyl-6]-propionic acid, reduction, 136.

$C_{17}H_{26}O$. Tert.-Benzylbornyl alcohol, preparation, dehydration, 829.

$C_{17}H_{28}O_2$. Ethyl ester of ledoic acid, preparation, properties, 2328.

$C_{17}H_{28}O_4$. 1) Ethyl ester of α-Hydroxyledoic acid, preparation, 2329.

2) Ethyl ester of β-hydroxyledoic acid, preparation, 2330.

$C_{17}H_{34}N_2$. Methyloctylpseudoheliotridylamine, preparation, properties, 2516.

17. III

$C_{17}H_{11}O_4N$. 2-Benzoylamino-3-hydroxy-1,4-naphthoquinone, synthesis, derivatives, oxidative-hydrolytic transformation, 1137.

$C_{17}H_{13}O_4N$. p-Nitrobenzyl ester of indanone-1-carboxylic acid-3, preparation, 1140.

$C_{17}H_{15}O_2N$. 2-Benzyl-4-benzyliden-5-oxazolone, preparation, properties, reaction with amines, 1431.

$C_{17}H_{16}O_2N_2$. Anilide of α-acetylaminocinnamic acid, preparation, properties, 1431.

$C_{17}H_{16}O_3Br_2$. 4-Benzyl-2,6-dibromophenoxy-α-butyric acid, synthesis, 2400.

$C_{17}H_{16}O_3Cl_2$. 4-Benzyl-2,6-dichlorophenoxy-α-butyric acid, synthesis, 2400.

$C_{17}H_{16}O_3N_2$. Methyl ester of α-benzoylamino-β-phenylaminoacrylic acid. Preparation, properties, 1437.

$C_{17}H_{17}ON$. α-(4-Methoxyphenyl)-γ-(phenyl)-butyronitrile, preparation, 877.

$C_{17}H_{17}O_4N$. Benzoylhydrastinine, reaction with caustic alkalies, 353.

$C_{17}H_{17}O_3Br$. 4-Benzyl-2-bromophenoxy-α-butyric acid, synthesis, 2400.

$C_{17}H_{17}O_3Cl$. 4-Benzyl-2-chlorophenoxy-α-butyric acid, synthesis, 2400.

$C_{17}H_{18}O_4N_2$. Di-o-aniside of malonic acid, preparation, properties, 1681.

$C_{17}H_{19}O_4N$. Oxime of β-(2-propoxynaphthoyl-6)-propionic acid, preparation, 648.

$C_{17}H_{19}NS$. 2-Hexyl-α-naphthothiazole, synthesis, properties, transformations, 2309.

$C_{17}H_{20}O_4N_2$. 1) (N-Butyl-N-hydroxyethyl)-amide of 4-nitro-1-naphthoic acid, preparation, properties, rearrangement, benzoyl derivative, 2434.

2) (N-Isobutyl-N-hydroxyethyl)-amide of 5-nitro-1-naphthoic acid, preparation, properties, 2435.

3) Butylaminoethyl ester of 4-nitro-1-naphthoic acid, formation, rearrangement, 2433.

4) Isobutylaminoethyl ester of 5-nitro-1-naphthoic acid, formation, 2433.

$C_{17}H_{21}ON$. 1) Dimethylaminoethyl ester of diphenylcarbinol, synthesis, properties, hydrochloride, 632.

2) β-(4-Methoxyphenyl)-δ-phenylbutylamine, preparation, 877.

$C_{17}H_{21}O_3Cl$. Benzyl-γ-chlorocrotyl)-acetoacetic ester, preparation, properties, cyclization, 772.

$C_{17}H_{22}O_3N_2$. Piperidine of α-benzoyl-amino-β-ethoxyacrylic acid, preparation, properties, 1438.

$C_{17}H_{22}O_4N_2$. Phenylhydrazone of α-oxohomocamphoric acid, preparation, properties, 401.

$C_{17}H_{25}ON$. 2-(α)-Diethylaminopropionyl)-tetralin, preparation, hydrochloride, dehydrogenation, 2437.

$C_{17}H_{25}O_2N$. Phenylpiperidol, synthesis, properties, acetate, propionate, 419, 420.

$C_{17}H_{25}O_3N$. Diethylacetal of formylphenaceturic ester, preparation, 865.

$C_{17}H_{27}ON$. 1°-(Tetralyl-2)-2-(diethylamino)-propanol,

preparation, properties, hydrochloride, 2437.

17. IV

$C_{17}H_{12}O_4N_2S$. Anilide of 2-cyanacetylcoumarone-5-sulfo acid, preparation, 845.

$C_{17}H_{13}ON_5S$. Azo compound from 1-benzothiazolyl-3-methyl-5-pyrazolone, 2284.

$C_{17}H_{17}O_7N_3S$. m-Thioacetoaminodimethylaniline, preparation, reaction with alkaline solution of potassium ferricyanide, 2289.

$C_{17}H_{19}O_5N_3S_4$. Methyl-methyl sulfate of 2-methyl-mercapto-5-(3'-ethylbenzothiazolinylidene-2'-ethylidene)-thiazolinone-4, preparation, properties, 850.

$C_{17}H_{22}ONCl$. Hydrochloride of the dimethylaminoethyl ester of diphenylcarbinol (benadryl), preparation, properties, 632.

$C_{17}H_{28}O_4NP$. α-Diisobutylphosphopropionanilide, preparation, properties, 2451.

17. V

$C_{17}H_{15}O_4N_2SK$. Product of the reaction of the potassium salt of the bisulfite compound of 2-methyl-1,4-naphthoquinone with phenylhydrazine, 2094.

$C_{17}H_{16}O_4N_2SNa$. Product of the reaction of the sodium salt of the bisulfite compound of 2-methyl-1,4-naphthoquinone with phenylhydrazine, 2093.

Group 18.

18. I

$C_{18}H_{12}$. 1,2-Benzanthracene, action of phosphorous pentahalides, 2443.

$C_{18}H_{38}$. n-Octadecane, purification, physicochemical constants, 85; cryscopic constants, 1341.

18. II

$C_{18}H_{10}Br_4$. 9, 10, 10, x-Tetrabromo-9, 10-dihydro-1,2-benzanthracene, preparation, properties, 2446.

$C_{18}H_{11}Br$. 10-Bromo-1,2-benzanthracene, preparation, properties, 2443.

$C_{18}H_{11}Br_3$. 9, 10, 11-Tribromo-9,10-dihydro-1,2-benzanthracene, preparation, properties, debromination, 2443.

$C_{18}H_{11}Cl$. 10-Chloro-1,2-benzanthracene, preparation, properties, 2445.

$C_{18}H_{11}Li$. 1,2-Benzanthryllithium, preparation, transformation, 1395.

$C_{18}H_{12}O_2$. 1) β-(2-Phenanthryl)-$\Delta^{\alpha-\beta}$-butenolide, synthesis, properties, 1905.

2) β-(3-Phenanthryl)-$\Delta^{\alpha-\beta}$-butenolide, synthesis, properties, 1905.

$C_{18}H_{15}Bi$. Triphenylbismuth, synthesis, reaction with aluminum chloride, ferric chloride, 104, 106.

$C_{18}H_{15}Sb$. Triphenylantimony, photoreactions with organoiodine, compounds, 2193, reaction with $AlCl_3$, 103.

$C_{18}H_{18}O_2$. asymm.-Dimethyldiphenylbutynediol, condensation with phenols, 593.

$C_{18}H_{20}O_3$. γ-(2-Butoxynaphthyl)-6-butyrolactone, preparation, properties, 650.

$C_{18}H_{20}O_4$. γ-(2-Butoxynaphthoyl-6)-propionic acid, preparation, properties, saponification, derivatives, 649, 650.

$C_{18}H_{22}Hg$. Dimesitylmercury, preparation, photoreaction, decomposition upon heating with silver, 717.

$C_{18}H_{22}O_3$. γ-(2-Butoxynaphthyl-6)-butyric acid, preparation, cleavage, 650.

$C_{18}H_{24}O_3$. β-[1-Butoxy-(5,6,7,8)-tetrahydronaphthoyl-4] hydroxybutyric acid, reduction, 138.

$C_{18}H_{26}N_6$. Di-2-pyridyl-(3'-diethylaminopropyl)-guanide, 2123.

$C_{18}H_{24}O_3$. Lactone of [1-butoxy-(5,6,7,8)-tetrahydronaphthyl-4]-hydroxybutyric acid, preparation, 138.

$C_{18}H_{24}O_4$. β-[1-Butoxy-(5,6,7,8)-tetrahydronaphthyl-4]-hydroxybutyric acid, preparation, properties, 138.

$C_{18}H_{34}O_2$. Oleic acid, polymerization, 1775.

$C_{18}H_{38}S$. Dinonyl sulfide, synthesis, properties, catalytic conversions, 268.

$C_{18}H_{38}S_2$. Dinonyl disulfide, synthesis, properties, catalytic conversions, 269.

18. III

$C_{18}H_{18}O_2N_2$. Anilide of α-Benzoylamino-β,β-dimethylacrylic acid, preparation, properties, 1434.

$C_{18}H_{19}O_2N$. α,γ-Di-(4-methoxyphenyl)-butyronitrile, preparation, 876.

$C_{18}H_{20}O_2N_2$. 1) Ethylidenediphenylacetamide, synthesis, structure, 1635.

2) 1-[β-(3'-Pyridyl)-ethyl]-6,7-dimethoxy-3,4-dihydroisoquinoline, preparation, properties, reduction, hydrochloride, 1490.

$C_{18}H_{21}O_3N$. α,β-Di-(4-methoxyphenyl)-ethylacetamine, preparation, 874.

$C_{18}H_{21}NS$. 2-Heptyl-α-naphthothiazole, synthesis, properties, transformation, 2309.

$C_{18}H_{21}O_3N$. Oxime of β-(2-butoxynaphthoyl-6)-propionic acid, preparation, 650.

$C_{18}H_{22}O_2N_2$. 1-[β-(3'-Pyridyl)-ethyl]-6,7 dimethoxy-1,2,3,4-tetrahydroisoquinoline, synthesis, properties, hydrochloride, 1491.

$C_{18}H_{22}O_3N_2$. β-(3,4-Dimethoxyphenyl)-ethyl-β-(3'-pyridyl)-propionamide, reaction with $POCl_3$, 1490.

$C_{18}H_{23}ON$. Dimethylaminopropyl ester of diphenylcarbinol, synthesis, properties, hydrochloride, 633.

$C_{18}H_{23}O_2N$. β,δ-Di-(4-methoxyphenyl)-butylamine, preparation, 876.

$C_{18}H_{24}N_6Cl_2$. symm.-Di-2-(5-chloropyridyl)-(3'-diethylaminopropylguanidine, 2121.

$C_{18}H_{17}ON$. Di-(5-methoxypentenyl-2) aniline, preparation, 1805.

$C_{18}H_{31}O_9N_7$. Heptapeptide leucyl-pentaglycyl-glycine, synthesis, spectrophotometry of biuret coordination compounds, 341.

$C_{18}H_{32}N_2S_4$. Thiuram disulfide of γ-isopropylpiperidine, preparation, properties, 1428.

$C_{18}H_{32}N_2S_6$. Thiuram tetrasulfide of γ-isopropyl-piperidine, preparation, properties, 1428.

18. IV.

$C_{18}H_{14}O_4N_2S$. p-Toluide of 2-cyanacetylcoumarone-5-sulfo acid, preparation, 845.

$C_{18}H_{24}O_5N_2S$. α-(4-Carboxy-5,5-dimethyl-2-thiazolidyl)-phenaceturic ester, hydrochloride, 865.

$C_{18}H_{39}O_4NP$. α-Diisobutylphosphopropion-p-toluidide, preparation, properties, 2452.

18. V.

$C_{18}H_{14}O_9N_4S_3Na_2$. Soluble streptocide, polarographic investigation, 627.

$C_{18}H_{17}O_4N_2S_2Cl$. (3-Methylbenzothiazole-2)-(4-methylbenzo-1,4-thiazine-3)-monomethynecyanin perchlorate, synthesis, properties, 181.

$C_{18}H_{18}O_6NSCl$. Phenyl perchlorate of 2-carbethoxy-3-methylbenzothiazine, synthesis, 175.

$C_{18}H_{19}O_4N_2SCl$. Methyl perchlorate of 2-(p-dimethylaminobenzylidene)-benzo-1,4-thiazine, synthesis, properties, 187.

$C_{18}H_{25}O_5N_2SCl$. Hydrochloride of α-(4-carboxy-5,5-dimethyl-2-thiazolidyl)-phenaceturic ester, preparation, 865.

Group 19.

19. I

$C_{19}H_{14}$. 1) 9-Methyl-1,2-benzanthracene, bromination, 2445.

2) 10-Methyl-1,2-benzanthracene, action of PBr_5, 2445.

$C_{19}H_{16}$. Triphenylmethane, formation, 569.

$C_{19}H_{24}$. Dimesitylmethane, preparation, 126, 131, 132.

$C_{19}H_{40}$. n-Nonadecane, purification, physicochemical constants, 85; cryoscopic constants, transition temperature, 1341.

19. II

$C_{19}H_9Br_3$. 9,10,10-Tribromo-9,10-dihydro-1,2-benzanthracene, preparation, properties, 2446.

$C_{19}H_{11}Br$. 9-Methyl-10-bromo-1,2-benzanthracene, preparation, 2443.

$C_{19}H_{16}O$. Triphenylcarbinol, synthesis, 1874.

$C_{19}H_{18}O_2$. 3-Keto-7-methoxy-1,2,3,11, 12, 12a-hexahydrochrysene, preparation, properties, dehydrogenation, 2,4-dinitrophenylhydrazone, 1353, 1354.

$C_{19}H_{18}O_3$. ar-1-Benzoylhydroxy-4-acetotetralin, preparation, bromination, 976.

$C_{19}H_{22}O_4$. Ethyl ester of β-(2-propoxynaphthoyl-6)-propionic acid, synthesis, saponification, 648.

$C_{19}H_{24}O$. Dimesitylcarbinol, preparation, 131.

$C_{19}H_{24}O_3$. Ethyl ester of γ-(2-propoxynaphthyl-6)-butyric acid, preparation, 648.

$C_{19}H_{28}N_6$. symm. Di-2-pyridyl-(4'-diethylaminobutyl)-guanidine, 2123.

$C_{19}H_{36}O_5$. Ethyl ester of acetylated α-hydroxyledoic acid, preparation, 2330.

$C_{19}H_{36}O_2$. Methyl ester of oleic acid, polymerization, 1775.

19. III

$C_{19}H_{15}O_3N$. Product of the reaction of maleic anhydride and cinnamylideneaniline, 1646.

$C_{19}H_{17}O_3Br$. ar-1-Benzoylhydroxy-4-bromacetotetralin, preparation, reaction with amines, 983.

$C_{19}H_{19}O_3N$. ar-1-Benzoylhydroxy-4-(aminoaceto)-tetralin, see hydrochloride, $C_{19}H_{20}O_3NCl$.

$C_{12}H_{19}O_4N$. [2-β-(N-Methyl-N-benzoyl)-aminoethylpiperonyl alcohol, preparation, properties, phenylurethane, 357.

$C_{19}H_{19}O_7N_5$. Dinitrophenylhydrazone of the ethyl ester of α-formylphenaceturic acid, preparation, 862.

$C_{19}H_{20}O_2N_2$. m-Diethylaminobenzylphthalimide, preparation, properties, transformation, 1901.

$C_{19}H_{21}O_2N$. ar-1-Hydroxy-4-(benzylaminoaceto)-tetralin, see Hydrochloride, $C_{19}H_{22}O_2NCl$.

$C_{19}H_{23}O_2N$. β-(4-Methoxyphenyl)- δ-phenylbutylacetamine, preparation, 877.

$C_{19}H_{28}NS$. 2-Octyl-α-naphthothiazole, synthesis, properties, transformation, 2309.

$C_{19}H_{24}O_3N_2$. Ethyl ester of 3-benzeneazocamphocarboxylic-3 acid. Preparation, properties, reaction with alcoholic alkali, 401.

$C_{19}H_{27}O_2N$. Phenylpiperidol acetate, preparation, 420.

19. IV

$C_{19}H_{14}O_5N_2S_2$. Bis-(4-nitrophenylthio)-2'-hydroxybenzal, synthesis, properties, reduction, 1690.

$C_{19}H_{18}ON_2S_2$. Bis-(4-aminophenylthio)-2'-hydroxybenzal, synthesis, properties, dihydrochloride, 1691.

$C_{19}H_{20}O_3NCl$. ar-1-Benzoylhydroxy-4-(aminoaceto)-tetralin hydrochloride, preparation, properties, 982.

$C_{19}H_{22}O_2NCl$. ar-1-Hydroxy-4-(benzylaminoaceto)-tetralin hydrochloride, preparation, properties, reduction, 981.

$C_{19}H_{22}O_5N_2S$. N^{ϵ}-Benzoyl-N^{α}-benzosulfolysine (d and l forms), preparation, properties, 1244.

19. V

$C_{19}H_{17}O_4N_2S_2Cl$. Product of reaction of methyl-

perchlorate of benzo-1,4-thiazine with orthoformic ester, 181.

$C_{19}H_{16}O_4N_2S_2$. Bis-(4-methylbenzo-1,4-thiazine-3)-monomethynecyanin perchlorate, synthesis, properties, 181.

$C_{19}H_{21}O_4N_2SCl$. Methyl perchlorate of 3-(p-dimethylaminostyryl)-benzothiazine, synthesis, properties, 187.

Group 20

20 I

$C_{20}H_{14}$. 3,4'-Ace-1,2-benzanthracene, action of PCl_5, 2445.

$C_{20}H_{16}$. 9,10-Dimethyl-1,2-benzanthracene, preparation, 1401.

$C_{20}H_{26}$. Symm.-Dimesitylethane, preparation, 124.

$C_{20}H_{30}$. Product of the condensation of benzene with 1-methylcyclohexanol-1, 955.

$C_{20}H_{42}$. n-Eicosane, cryoscopic constant, 1343.

20. II

$C_{20}H_{13}Br$. 10-Bromo-3,4'-ace-1,2-benzanthracene, preparation, properties, 2447.

$C_{20}H_{13}Cl$. 10-Chloro-3,4'-ace-1,2-benzanthracene, preparation, properties, 2445.

$C_{20}H_{14}O_2$. 9-Methyl-1,2-benzanthracene-10-carboxylic acid, preparation, properties, 1400.

$C_{20}H_{14}Hg$. α- and β-Dinaphthylmercury, reaction with succinimide, 1403.

$C_{20}H_{14}O$. 10-β-Oxethyl-1,2-benzanthracene, preparation, 1400.

$C_{20}H_{12}O_2$. Product of the acetylation of the oxide of 2-phenyl-1,4-benzoquinone, 1827.

$C_{20}H_{20}O_2$. Benzoic ester of 4-(1-methylcyclohexyl)-phenol, properties, 956.

$C_{20}H_{22}O_2$. Product of distillation of p-tolylacetyl carbinol, 749.

$C_{20}H_{24}O_4$. Ethyl ester of β-(2-butoxynaphthoyl-6)-propionic acid, preparation, 649.

$C_{20}H_{26}O$. 2,4,6,2',4',6'-Hexamethyl dibenzyl ether, preparation, 122.

$C_{20}H_{28}O_3$. Ethyl ester of 2-butoxynaphthyl-6-butyric acid, preparation, 650.

$C_{20}H_{32}O_3$. Lactone of [1-hexoxy-(5,6,7,8)-tetrahydronaphthyl-4]-hydroxybutyric acid, preparation, 138, 139.

$C_{20}H_{32}O_4$. β-[1-Hexoxy-(5,6,7,8)-tetrahydronaphthyl-4] hydroxybutyric acid, preparation, properties, 138.

$C_{20}H_{36}O_6$. Adipate of the β-hydroxy ethyl ether of dimethylacetenylcarbinol, preparation, properties, 1366.

$C_{20}H_{38}N_6$. symm.-Di-2-pyridyl-(4'-diethylamino-1'-methylbutyl)-guanidine, 2122.

$C_{20}H_{42}S$. Didecyl sulfide, synthesis, properties, 267.

$C_{20}H_{42}S_2$. Didecyl disulfide, synthesis, properties, reduction, 265.

20. III

$C_{20}H_{15}ON$. 3,3-Diphenyloxindole, synthesis, 1882.

$C_{20}H_{17}O_3N$. Product of reaction of maleic anhydride with cinnamylidene-p-toluidine, 1646.

$C_{20}H_{20}N_6S_2$. N,N'-Bis-[benzothiazolyl-(2)-methyl]-piperazine, synthesis, properties, 2304.

$C_{20}H_{21}O_3N$. ar-1-Benzoylhydroxy-4-(methylaminoaceto)-tetralin, see hydrochloride, $C_{20}H_{22}O_3NCl$.

$C_{20}H_{24}O_4N$. p-Nitrobenzoic ester of 4-(1-methylcyclohexyl)-phenol, properties, 956.

$C_{20}H_{21}O_3N$. 3',4'-Dimethoxyphenyl-5,6-dimethoxy-3,4-dihydroisoquinolyl-(1) ketone, synthesis, iodmethylation, reduction, 1484.

$C_{20}H_{21}O_5Cl$. β-(5-Methoxy-1-naphthyl)-ethyl-(3-chlorocrotyl) malonic acid, preparation, properties, 1353.

$C_{20}H_{23}ON$. 2-(α-Benzylaminopropionyl)-tetralin, preparation, properties, reduction, hydrochloride, 2441.

$C_{20}H_{23}O_3N$. ar-1-Hydroxy-4-(benzylmethylaminoaceto)-tetralin hydrochloride, see hydrochloride $C_{20}H_{24}O_3NCl$.

$C_{20}H_{25}O_3N$. β, δ-Di-(4-methoxyphenyl)-acetamine, preparation, 877.

$C_{20}H_{25}O_5N$. β-(2,3-Dimethoxyphenyl)-ethyl-3',4'-dimethoxyphenylacetamide, preparation, properties, reaction with $POCl_3$, 1483.

$C_{20}H_{27}ON$. Diethylaminopropyl ester of diphenylcarbinol, preparation, properties, hydrochloride, 632.

$C_{20}H_{27}O_4Cl$. β-(p-Tolyl)-ethyl-(γ-chlorocrotyl)-malonic ester, preparation, properties, saponification, 1278.

$C_{20}H_{28}N_6Cl_2$. symm.-Di-2-(5-chloropyridyl)-(4-diethylamino-1'-methylbutyl)-guanidine, 2124.

$C_{20}H_{29}O_2N$. Phenylpiperidol propionate, preparation, 420.

$C_{20}H_{32}O_{12}N_4$. N,N'-exo-Diethoxyoalyldihydrate-2,5-diglycylethyl ester of dihydropyrazinamidine, preparation, properties, 1019, 1021.

$C_{20}H_{20}N_2S_4$. Thiuram, disulfide of cis- and trans-decahydroquinoline, preparation, properties, 1429.

$C_{20}H_{20}N_2S_5$. Thiuram hexasulfide of cis- and trans-decahydroquinoline, preparation, properties, 1429.

$C_{20}H_{35}O_2N$. Anilide of γ,γ-diisoamyl-γ-hydroxybutyric acid, preparation, properties, 1682.

$C_{20}H_{34}O_9N_8$. Octapeptide leucylglycyl-glycine, synthesis, spectrophotometry, of biuret coordination compounds, 341.

20. IV

$C_{20}H_{14}ONBr$. 3,3-Diphenyl-5-bromoxindole, preparation, properties, 1882.

$C_{20}H_{16}O_2NBr$. p-Bromanilide of benzilic acid, preparation, properties, 1881.

$C_{20}H_{16}O_6N_2S_2$. Bis-(4-nitrophenylthio)-3'-methoxy-4'-hydroxybenzal, synthesis, properties, reduction, 1691.

$C_{20}H_{20}O_2N_2S_2$. Bis-(4-aminophenylthio)-3'-methoxy-4'-hydroxybenzal, synthesis, properties, 1691.

$C_{20}H_{21}O_3Cl$. β-(5-Methoxy-1-naphthyl)-ethyl-(3-chlorocrotyl)-malonic acid, preparation, decarboxylation, 1353.

$C_{20}H_{22}O_2NCl$. ar-1-Benzoylhydroxy-4-(methylaminoaceto)-tetralin hydrochloride, preparation, 979.

$C_{20}H_{24}O_2NCl$. ar-1-Hydroxy-4-(benzylmethylaminoaceto) tetralin hydrochloride, preparation, properties, 979.

$C_{20}H_{24}O_5N_2S$. N^{ϵ}-Benzoyl-N^{α}-p-toluenesulfolysine, (d and l forms), preparation, properties, 1245.

$C_{20}H_{25}O_2NS$. (1-Methoxycyclohexyl)-benzene-sulfo-p-toluide, preparation, 955.

20. V

$C_{20}H_{14}O_6N_6S_2Ba$. Barium salt of 2-benzeneazo-pyrrole-sulfonic-5 acid, 309.

$C_{20}H_{19}O_4N_2S_2Cl$. (4-Methylbenzo-1,4-thiazine-3)-(3-methylbenzothiazole-2)-trimethynecyanin perchlorate, synthesis, properties, 183.

Group C_{21}

21. I

$C_{21}H_{18}$. 10-n-Propyl-1,2-benzanthracene, preparation, properties, 1399.

$C_{21}H_{28}$. Di-3-cymylmethane, preparation, 132.

21. II

$C_{21}H_{16}O_2$. Ethyl ester of 1,2-benzanthracene-10-carboxylic acid, preparation, properties, 1400.

$C_{21}H_{18}O$. 9-Methyl-10-β-oxethyl-1,2-benzanthracene, preparation, properties, 1401.

$C_{21}H_{30}O_3$. Lactone of [1-heptyloxy-(5,6,7,8)-tetrahydronaphthyl-4]-hydroxybutyric acid, preparation, 139.

$C_{21}H_{30}O_4$. β-[1-Heptyloxy-(5,6,7,8)-tetrahydronaphthoyl-4]-propionic acid, reduction, 139.

$C_{21}H_{32}O_3$. Sapogenin patringenin, preparation, properties, structure, 1055.

21. III

$C_{21}H_{17}ON$. 1) 3,3-Diphenyl-5-methyloxindole, synthesis, properties, 1882.

2) 3,3-Diphenyl-7-methoxyoxindole, preparation, properties, 1882.

3) p-Toluidide, of benzilic acid, preparation, 1880.

$C_{21}H_{19}O_3N$. o-Anisidide of benzilic acid, synthesis, properties, 1881.

$C_{21}H_{21}ON$. 2-(α-Benzylmethylaminopropionyl)-naphthalene, synthesis, hydrochloride, dehydrogenation, 2440.

$C_{21}H_{25}O_6N$. Colchicinic acid, preparation, properties, methyl and ethyl esters, 812.

$C_{21}H_{18}N_2S_2$. Bis-(4-aminophenylthio)-4'-dimethyl-aminobenzal, synthesis, properties, 1692.

$C_{21}H_{24}O_5N_2$. Aminocolchiceine, preparation, properties, 810.

$C_{21}H_{25}ON$. 2-(α-Benzylmethylaminopropionyl)-tetralin, preparation, hydrochloride, reduction, 2439.

$C_{21}H_{25}ON_3$. 6-Methoxy-8-(m-diethylaminobenzyl)-aminoquinoline, preparation, properties, dipicrate, 1901.

$C_{21}H_{27}O_4N$. N-Methyl-1-(3',4'-dimethoxybenzyl)-5,6-dimethoxy-1,2,3,4-tetrahydroisoquinoline, preparation, properties, hydrochloride, 1484.

21. IV

$C_{21}H_{19}O_4N_3S_2$. Bis-(4-nitrophenylthio)-4'-dimethylaminobenzal, synthesis, properties, reduction, 1692.

$C_{21}H_{23}N_4S_2I$. 3,3'-Diethyl-6,6'-diaminothiacarbocyanin iodide, preparation, properties, 1467.

$C_{21}H_{24}O_5NI$. Methiodide of 3',4'-dimethoxyphenyl-5,6-dimethoxy-3,4-dihydroisoquinolyl-(1) ketone, preparation, properties, 1484.

$C_{21}H_{25}O_6N_3S$. N^{ϵ}-Benzoyl-N^{α}-(p-acetylaminobenzosulfo)lysine (d and l forms), preparation, properties, 1245.

$C_{21}H_{25}O_7N_3S$. N^{ϵ}-Benzoyl-N^{α}-(p-carbomethoxybenzosulfo)-lysine (d and l forms), preparation, properties, 1246.

$C_{21}H_{27}O_5N_2P$ Diisopropylphosphomalonanilide, preparation, properties, 2452.

21. V.

$C_{21}H_{21}O_4N_2S_2Cl$. 1) Bis-(3-methylbenzothiazole-2)-8,10-dimethyltrimethynecyanin perchlorate, synthesis, properties, 182.

2) Bis-(4-methylbenzo-1,4-thiazine-3)-trimethynecyanin perchlorate, synthesis, properties, 182.

$C_{21}H_{23}O_2N_2SI$. 2-[p-Dimethylamino-β-acetoxystyryl] benzothiazole ethiodide, synthesis, properties, 2304.

$C_{21}H_{25}O_4N_2SCl$. Methyl perchlorate of 2-ethyl-3-(p-dimethylaminostyryl)-benzo-1,4-thiazine, synthesis, properties, 187.

Group C_{22}

22. I

$C_{22}H_{20}$. 10-n-Butyl-1,2-benzanthracene, preparation, properties, 1399.

23. II

$C_{22}H_{20}N_2$. 2,2'4,4'-Tetramethylbiquinoline, transformation to biquinophthalone, 1475.

$C_{22}H_{22}N_4$. Osazone of p-tolylacetylcarbinol, preparation, 749.

$C_{22}H_{26}O_2$. o-Dicuminylbutynediol, synthesis, hydrogenation, 1610.

$C_{22}H_{28}O_2$. o-Dicuminylbutenediol, preparation, properties, 1611.

$C_{22}H_{28}O_4$. 1) Butyl ester of β-(2-butoxynaphoyl-6)-propionic acid, preparation, 649.

2) Cyclodimethyl lactolide of p-tolylacetylcarbinol and methyl-p-toluylcarbinol, preparation, 751.

$C_{22}H_{30}O_2$. o-Dicuminylbutanediol, preparation, properties, 1611.

22. III

$C_{22}H_{17}ON_3$. 1) 1,5-Disbenzeneazo-2,8-aminonaphthol, absorption spectrum, 1457.

2) 5,7-Disbenzeneazo-2,8-aminonaphthol, preparation, properties, 994.

$C_{22}H_{18}O_2N_2$. Anilide of α-benzoylaminocinnamic acid, preparation, properties, 1434.

$C_{22}H_{15}ON$. 1) 3,3-Di-(o)-tolyloxindole (o-tolylisatin), preparation, properties, 2251.

2) 3,3-Di-(m)-tolyloxindole (m-tolylisatin), synthesis, properties, 2246.

3) 3,3-Di(p)-tolyloxindole (p-tolylisatin), preparation, 2069.

$C_{22}H_{19}O_2N$. 3,3-Diphenyl-5-ethoxyoxindole, preparation, properties, 1882.

$C_{22}H_{20}ON_2$. 3,3-Diphenyl-5-dimethylaminooxindole, preparation, properties, 1883.

$C_{22}H_{21}O_3N$. 1) Anilide of o,o-ditolylglycolic acid, synthesis, properties, 2250.

2) Anilide of m,m-ditolylglycolic acid, preparation, properties, 2245.

$C_{22}H_{21}O_3N$. p-Phenetidide of benzilic acid, synthesis, preparation, properties, 1881.

$C_{22}H_{22}O_2N_2$. p-Dimethylaminoanilide of benzilic acid, synthesis, properties, 1881.

$C_{22}H_{24}O_2N_4$. Di-exo-acetylbenzyl-2,5-dihydropyrazinamidine, synthesis, properties, 335.

$C_{22}H_{25}O_6N$. Methyl ester of colchicinic acid, preparation, properties, saponification, 812.

$C_{22}H_{24}O_5N_2$. Methylaminocolchiceine, preparation, properties, 810.

$C_{22}H_{29}NS$. 2-Undecyl-α-naphthothiazole, synthesis, properties, transformation, 2309.

$C_{22}H_{21}O_3N$. 1) α-Naphthalide of diisoamylglycolic acid, preparation, properties, 1674.

2) β-Naphthalide of diisoamylglycolic acid, preparation, properites, 1675.

22. IV

$C_{22}H_{17}O_4N_3S$. 1) 1,5-Disbenzeneazo-2,8-aminonaphthoyl-7-sulfo acid, preparation, properties, 1266.

2) 1,7-Disbenzeneazo-2,8-aminonaphthoyl-5-sulfo acid, preparation, properties, 1265.

3) 2,6-Disbenzeneazo-1,5-aminonaphthoyl-8-sulfo acid, absorption spectrum, 1459.

4) 2,8-Disbenzeneazo-1,5-aminonaphthoyl-6-sulfo acid, absorption spectrum, 1459.

$C_{22}H_{16}ONBr$. 3,3-Di-(p)-tolyl-5-bromoxindole, preparation, 2070.

$C_{22}H_{20}O_2NBr$. p-Bromanilide of p,p-ditolyl-glycolic acid, preparation, 2068.

$C_{22}H_{22}N_4S_2I$. 3,3'-Diethyl-9-methyl-6,6'-diaminothiacarbocyanin iodide, preparation, properties, 1469.

22. V

$C_{22}H_{16}O_4NSCl$. Methyl perchlorate of 2-benzylidene-3-phenylbenzo-1,4-thiazine, synthesis, properties, 188.

$C_{22}H_{21}O_4N_2SCl$. (4-Methylbenzo-1,4-thiazine-3)-(1-methylquinoline-2)-trimethynecyanin perchlorate, synthesis, properties, 183.

$C_{22}H_{25}O_6N_2S_2Cl$. Methyl perchlorate of 2-carbethoxy-3-(p-dimethylaminostyryl)-benzo-1,4-thiazine, synthesis, properties, 187.

Group C_{23}

23. I

$C_{23}H_{22}$. 10-Isoamyl-1,2-benzanthracene, preparation, properties, 1399.

23. II

$C_{23}H_{32}O_6$. Strophantidine, polarographic investigation, 156.

23. III

$C_{23}H_{15}O_3N$. Azine derivative of 2-benzoylamino-3-hydroxy-1,4-naphthoquinone synthesis, 1137.

$C_{23}H_{13}N_4S_2$. N-(p-Dimethylaminophenyl)-imine bis-(benzthiazolyl-2)-ketone, preparation, properties, hydrolysis, 2467.

$C_{23}H_{18}O_3N_2$. Anilide of α-phenacylaminocinnamic acid, preparation, properties, 1431.

$C_{23}H_{21}ON$. 1) 3,3-Di-(o)-tolyl-5-methyloxindole, synthesis, properties, 2251.

2) 3,3-Di-(p)-tolyl-5-methyloxindole, preparation, 2069.

$C_{23}H_{21}O_2N$. 1) 3,3-Di-(m)-tolyl-7-methoxy-oxindole, synthesis, properties, 2247.

2) 3,3-Di-(p)-tolyl-7-methoxyoxindole, preparation, 2069.

$C_{23}H_{21}O_3N_3$. Anilide of α-benzoylamino-β-phenylaminocrotonic acid, preparation, properties, 1431.

$C_{23}H_{17}O_2N$. α-Naphthyl isocyanate, preparation, properties, 1793.

$C_{23}H_{23}O_3N$. 1) p-Toluidide of o,o-ditolylglycolic acid, preparation, properties, 2250.

2) p-Toluidide of p,p-ditolylglycolic acid, 2068.

$C_{23}H_{23}O_3N$. 1) o-Aniside of p,p-ditolylglycolic acid, preparation, 2068.

2) p-Toluide of p,p-ditolylglycolic acid, preparation, 2068.

3) m-Aniside of p,p-ditolylglycolic acid, preparation, 2069.

4) o-Anisidide of m,m-ditolylglycolic acid, preparation, properties, 2246.

$C_{23}H_{27}O_3N$. ar-1-Benzoylhydroxy-4-(diethylamino-aceto)-tetralin, see hydrochloride, $C_{23}H_{28}O_3NCl$

$C_{23}H_{27}O_6N$. Ethyl ester of colchicinic acid, preparation, properties, saponification, 813.

23. IV

$C_{23}H_{23}O_3N_3S$. 2-p-Aminobenzoyl 2-p'-aminophenyl sulfone of 1-p'-dimethylaminophenyl ethylene, preparation, properties, 1815.

$C_{23}H_{26}ON_3Cl$. 2-Methoxy-6-chloro-9-(dimethylaminobenzyl)aminoacridine, preparation, properties, dihydrochloride, 1902.

$C_{23}H_{27}N_4S_2I$. 1) 3,3'-Dimethyl-7,7'-bis-(dimethylamino) thiacarbocyanine iodide, synthesis, properties, 2290.

2) 3,3',9-Trimethyl-6,6'-diaminothiacarbocyanin iodide, preparation, properties, 1469.

$C_{23}H_{28}O_3NCl$. ar-1-Benzoylhydroxy-4-(diethylaminoaceto)-tetralin hydrochloride, preparation, saponification, 982.

$C_{23}H_{31}O_5N_2P$. 1) Diisopropylphosphomalon-p-toluidide, preparation, properties, 2452.

2) Diisobutylphosphomalonanilide, preparation, properties, 2452.

23. V

$C_{23}H_{21}O_6N_2S_2Cl$. Bis-[3-methylbenzothiazole-(2)]-8,10-diacetoxytrimethinecyanine perchlorate, synthesis, properties, 2304.

$C_{23}H_{29}O_2N_4S_2I$. 3,3'-Diethyl-6,6'-di-(formylamino)-thiacarbocyanin iodide, preparation, properties, 1469.

$C_{23}H_{29}O_4N_2S_2Cl$. Bis-(4-methylbenzo-1,4-thiazine-3)-pentamethynecyanin perchlorate, synthesis, properties, 183.

$C_{23}H_{34}ON_3SI$. 3,1'-Diethyl-6-acetaminothia-4'-cyanin iodide, preparation, properties, 1470.

$C_{23}H_{37}O_4N_4S_4Br$. 3,3'-Diethyl-6,6'-di-(methylsulfamino)-thiacarbocyanin bromide, preparation, properties, 1468.

Group C_{24}

24. II

$C_{24}H_{22}O_2$. 1) 2,2-Dimethyl-5,5-diphenyl-3-phenoxydihydrofuran-2,5, preparation, properties, 595.

2) 2,2-Dimethyl-5,5-diphenyl-3-hydroxyphenyldihydrofuran-2,5, preparation, properties, 596.

$C_{24}H_{24}N_2$. 2,2',4,4',8,8'-Hexamethylbiquinoline, synthesis, transformation to biquinophthalone, 1476.

24. III

$C_{24}H_{14}ON_2$. 8-Hydroxy-1,2-naphthophenanthrene azine, synthesis, properties, 991.

$C_{24}H_{17}ON$. 1) 3,3-Diphenyl-6,7-benzoxindole, preparation, properties, 1883.

2) 3,3-Diphenyl-4,5-benzoxindole, preparation, properties, 1883.

$C_{24}H_{19}O_2N$. 1) α-Naphthalide of diphenylglycolic acid, preparation, properties, 1674.

2) β-Naphthalide of diphenylglycolic acid, preparation, properties, 1675.

$C_{24}H_{23}O_2N$. 1) 3,3-Di-(o)-tolyl-5-ethoxyoxindole, preparation, properties, 2251.

2) 3,3-Di-(m)-tolyl-5-ethoxyoxindole, synthesis, properties, 2247.

3) 3,3-Di-(p)-tolyl-5-ethoxyoxindole, preparation, 2070.

$C_{24}H_{24}O_2N_2$. 2,2',4,4'-Tetramethyl-8,8'-dimethoxybiquinoline, synthesis, transformation to biquinophthalone, 1476.

$C_{24}H_{24}O_5N_2$. (N-Butyl-N-benzoyloxyethyl)-amide of 4-nitro-1-naphthoic acid, preparation, properties, 2434.

$C_{24}H_{25}O_3N$. 1) p-Phenetidide of o,o-ditolylglycolic acid, preparation, properties, 2250.

2) p-Phenetidide of m,m-ditolylglycolic acid, preparation, properties, 2246.

3) p-Phenetide of p,p-ditolylglycolic acid, preparation, 2068.

$C_{24}H_{25}O_4N$. Anilide of γ,γ-bis-(2-methoxyphenyl)-γ-hydroxybutyric acid, preparation, properties, 1682.

$C_{24}H_{28}O_7N_2$. Carbethoxycolchiceine, preparation, properties, 812.

$C_{24}H_{29}O_5Cl$. β-(5-Methoxy-1-naphthyl)-ethyl-(3-chlorocrotyl)-malonate, preparation, saponification, 1353.

24. IV

$C_{24}H_{15}ONBr_2$. Lactam of 1-amino-2,4-dibromonaphthyl-(8)-diphenylacetic acid, synthesis, 2061.

$C_{24}H_{16}ONBr$. 1) 3,3-Diphenyl-7-bromo-5,6-benzoxindole, synthesis, 2061.

2) 3,3-Diphenyl-6-bromo-8-naphthoxindole, 2061.

3) 3,3-Diphenyl-5-bromo-6,7-benzoxindole, preparation, 2060.

$C_{24}H_{17}O_2NBr$. 2,4-Dibromo-1-naphthalide of benzilic acid, 2060.

$C_{24}H_{18}O_2NBr$. 1) 1-Bromo-2-naphthalide of benzilic acid, 2060.

2) 4-Bromo-1-naphthalide of benzilic acid, 2060.

24. V

$C_{24}H_{23}O_4N_2SCl$. Methylperchlorate of 2-[p-dimethylbenzylidene]-3-phenylbenzo-1,4-thiazine, preparation, properties, 187.

$C_{24}H_{25}O_2N_4S_2I$. 3,3'-Diethyl-9-methyl-6,6'-di(formylamino)-thiacarbocyanin iodide, preparation, properties, 1469.

$C_{24}H_{29}O_4N_4S_2Cl$. 3,3',9-Trimethyl-7,7'-bis-(dimethylamino)-thiacarbocyanine perchlorate, synthesis, properties, 2290.

$C_{24}H_{29}O_4N_4S_4Br$. 3,3'-Diethyl-9-methyl-6,6'-di-(methylsulfamino)-thi acarbocyanin bromide, preparation, properties, 1468.

Group C_{25}

25. II

$C_{25}H_{20}N_2$. Benzeneazotriphenylmethane, free radicals in decomposition reactions, 1219.

$C_{25}H_{24}O_7$. Product of the acetylation of 3,3'-dimethoxybenzaurin, 1446.

25, III

$C_{25}H_{32}O_2N_2$. Diethylaminocolchiceine, preparation, properties, 810.

$C_{25}H_{41}O_7N$. Delsin, purification, properties, salts, structure, 195.

25, IV

$C_{25}H_{27}O_6N_3S$. 2-p-Acetaminobenzoyl 2-p'-nitrophenyl sulfone of 1-p'-dimethylaminophenyl ethylene, preparation, properties, reduction, 1815.

$C_{25}H_{29}O_4N_3S$. 2-p-Acetaminobenzoyl 2-p'-aminophenyl sulfone of 1-p'-dimethylaminophenyl ethylene, preparation, properties, saponification, 1815.

$C_{25}H_{29}ONS_2$. 1) 1,2-Diphenyl-3,4-methylbornylimido xanthide, preparation, properties, 835.

2) 1,2-Diphenyl-3,4-methylisobornylimido xanthide, preparation, properties, 835.

$C_{25}H_{30}O_3N_2P$. Diisobutylphosphomalon-p-toluidide, preparation, properties, 2452.

25, V

$C_{25}H_{27}O_2N_4S_2Br$. 3,3'-Diethyl-6,6'-di-(acetamino)-thiacarbocyaninbromide, preparation, properties, 1468.

$C_{25}H_{27}O_2N_4S_2I$. 3,3',9-Triethyl-6,6'-di(formylamino)-thiacarbocyanin iodide, preparation, properties, 1469.

$C_{25}H_{27}O_4N_2SCl$. Dye, synthesis, properties, 2310.

$C_{25}H_{29}O_4N_2S_2Cl$. Bis-(2-ethyl-4-methyl-benzo-1,4-thiazine-3)-trimethynecyanin perchlorate, synthesis, properties, 182.

$C_{25}H_{31}O_4N_4S_2Cl$. 1) 3,3'-Dimethyl-9-ethyl-7,7'-bis-(dimethylamino)-thiacarbocyanine perchlorate, synthesis, properties, 2290.

2) 3,3'-Diethyl-7,7'-bis-(dimethylamino)-thiacarbocyanine perchlorate, synthesis, properties, 2290.

$C_{25}H_{31}O_4N_4S_4Br$. 3,3',9-Triethyl-6,6'-di-(methylsulfamino)-thiacarbocyanin bromide, preparation, properties, 1468.

Group C_{26}

26, II

$C_{26}H_{16}N_2$. 9,9'-Biacridine, synthesis, 659.

$C_{26}H_{22}O_7$. 3,3',3''-Trimethoxy-4',4''-diacetoxyfuchsone, preparation, properties, 1844.

$C_{26}H_{24}O_8$. 3,3',3''-Trimethoxy-4',4''-diacetoxy-4-hydroxytriphenylcarbinol, formation, 1845.

$C_{26}H_{34}Sn$. Dibenzyldiphenyltin, synthesis, detachment of radicals, 1108.

26, III

$C_{26}H_{14}N_2Cl_2$. 3,3'-Dichloro-9,9'-biacridine, synthesis, properties, 659.

$C_{26}H_{21}ON$. 1) 3,3-Di-(o)-tolyl-4,5-benzoxindole (3,3-di-(o)-tolyl-β-naphthoxindole), synthesis, properties, 2251.

2) 3,3-Di-(o)-tolyl-6,7-benzoxindole (3,3-di-(o)-tolyl-α-naphthoxindole), synthesis, properties, 2251.

3) 3,3-Di-(m)-tolyl-4,5-benzoxindole, (3,3-di-(m)tolyl-β-naphthoxindole) synthesis, properties, 2247.

4) 3,3-Di-(p)-tolyl-6,7-benzoxindole (3,3-di(p)-tolyl-α-naphthoxindole), preparation, 2070.

5) 3,3-Di-(p)-tolyl-4,5-benzoxindole (3,3-di-p-tolyl-β-naphthoxindole, synthesis, properties, 2070.

$C_{26}H_{23}O_3N$. 1) α-Naphthalide of p,p'-ditolylglycolic acid, preparation, properties, 1675.

2) β-Naphthalide of m,m-ditolylglycolic acid, preparation, properties, 2246.

3) β-Naphthalide of o,o-ditolylglycolic acid, preparation, properties, 2251.

4) β-Naphthalide of p,p-ditolylglycolic acid, preparation, properties, 1676.

$C_{26}H_{25}O_3N$. ar-1-Benzoylhydroxy-4-(benzylaminoaceto)-tetralin, see hydrochloride, $C_{26}H_{26}O_3NCl$.

26, IV

$C_{26}H_{26}O_3NCl$. ar-1-Benzoylhydroxy-4-(benzylaminoaceto)-tetralin hydrochloride, preparation, properties, saponification, hydrogenation, 981.

$C_{26}H_{28}O_7NCl$. Quinoid perchlorate of 2,2'-dimethyl-5,5'-ditert.-amyl-4,4'-dimethoxydiphenylhydroxylamine-N-oxide, 2430.

26, V

$C_{26}H_{29}O_2N_4S_2Br$. 3,3'-Diethyl-9-methyl-6,6'-di-(acetamino)-thiacarbocyanin bromide, preparation, properties, 1468.

$C_{26}H_{29}O_4N_2SCl$. Dye, synthesis, properties, 2310.

$C_{26}H_{33}O_4N_4S_2Cl$. 3,3-Diethyl-9-methyl-7,7'-bis-(dimethylamino)-thiacarbocyanine perchlorate, synthesis, properties, 2290.

Group C_{27}

27, II

$C_{27}H_{18}O$. Biphenylene-9-phenanthrylcarbinol, preparation, 1663.

$C_{27}H_{50}O_5$. Product of ozonation of the dimer of oleic acid, 1781.

27, III

$C_{27}H_{17}ON_5$. 5,7-Disbenzeneazo-2,8-aminonaphthol, synthesis, properties, 994.

$C_{27}H_{27}O_3N$. ar-1-Benzoylhydroxy-4-(benzylmethylaminoaceto)-tetrahydronaphthalene, hydrochloride, 978.

$C_{27}H_{27}O_6N_2SCl$. Phenyl perchlorate of 2-carbethoxy-3-(p-dimethylaminostyryl)-benzo-1,4-thiazine, synthesis, properties, 188.

$C_{27}H_{29}O_8N_2S_2Cl$. Bis-(2-carbethoxy-4-methylbenzo-1,4-thiazine-3)-trimethynecyanin perchlorate, synthesis, properties, 182.

$C_{27}H_{31}O_2N_4S_2Br$. 3,3',9-Triethyl-6,6'-di-(acetoamino)-thiacarbocyanin bromide, preparation, properties, 1468.

$C_{27}H_{31}O_4N_2SCl$. Dye, synthesis, properties, 2310.

$C_{27}H_{35}O_4N_4S_2Cl$. 3,3',9-Triethyl-7,7'-bis-(dimethylamino)-thiacarbocyanine perchlorate, synthesis, properties, 2290.

Group C_{28}

28. II

$C_{28}H_{20}O$. Biphenylene-9-methylphenanthryl-10-carbinol, preparation, 1664.

$C_{28}H_{20}N_2$. Lucigenin, transformations, 653.

$C_{28}H_{22}N_2$. N,N'-Dimethyl-9,9'-biacridene, preparation, properties, 661.

$C_{28}H_{24}N_2$. N,N'-Dimethylbiacridan, preparation, properties, 661.

$C_{28}H_{28}O_{10}$. Product of the acetylation of 3,3',3"-Trimethoxyaurin (rubrocol), 1448.

28. III

$C_{28}H_{22}ON_2$. N,N'-Dimethyl-9,9'-biacridene oxide, preparation, properties, 660.

$C_{28}H_{22}O_6N_4$. Lucigenin nitrate, preparation, properties, transformation, 660.

$C_{28}H_{22}N_2Br_2$. Lucigenin bromide, synthesis, properties, transformation, 659.

$C_{28}H_{30}O_5N_2$. Benzylaminocolchiceine, preparation, properties, 811.

$C_{28}H_{36}O_{10}N_4$. Product of the reaction of diacetyl-diketopiperazine with methyltyrosine, 334.

28. IV

$C_{28}H_{20}N_2Cl_2Br_2$. N,N'-Dimethyl-3,3'-dichlorobi-acridylium bromide, preparation, properties, 660.

$C_{28}H_{34}O_{10}N_4Cl_2$. Di-exo-N-chloroacetyl-tyrosine-methyl ester of 2,5-dihydropyrazinamidine, synthesis, 337.

28. V

$C_{28}H_{35}O_4N_2SCl$. Dye, synthesis, properties, 2310.

Group C_{29}

29. III

$C_{29}H_{30}O_{10}N_4$. Picrate of ar-1-benzoylhydroxy-4-(diethylaminoaceto)-tetralin, preparation, properties, 983.

29. V

$C_{29}H_{35}O_4N_2SCl$. Dye, s ynthesis, properties, 2310.

Group C_{30}

30. I

$C_{30}H_{30}$. 1) Tetra-p-tolylethane, preparation, 133.
2) Tetra-o-tolylethane, preparation, 133.

30. II

$C_{30}H_{22}O_3$. Cymarin, polarographic investigation, acid hydrolysis, 157.

Group C_{31}

31. II

$C_{31}H_{36}O_8$. Methylene-bis-(4,7-dihydroxy-6-hexyl-coumarin), preparation, properties, 1896.

31. III

$C_{31}H_{31}O_8N_3$. Guanido derivative of monoiso-propylideneglucose, preparation, properties, 410.

31. V.

$C_{31}H_{25}O_4N_2S_2Cl$. Bis-(4-phenylbenzo-1,4-thiazine-3)-trimethynecyanin perchlorate, synthesis, properties, 182.

Group C_{32}

32. III

$C_{32}H_{46}O_8N_2$. Anthranoyldelsine, preparation, properties, derivatives, 1061.

Group C_{33}

33. III

$C_{33}H_{31}O_{15}N_3$. Dipicrate of 6-methoxy-8-(m-diethylaminobenzyl)-aminoquinoline, preparation, 1901.

Group C_{34}

34. IV

$C_{34}H_{36}O_5N_4S_3$. 3,3'-Diethyl-6,6'-di-(acetamino)-thiacarbocyanin p-toluene-sulfonate, preparation, properties, 1470.

Group C_{36}

36. II

$C_{36}H_{56}O_{13}$. Periplocin, polarographic investigation, 158.

$C_{36}H_{66}O_4$. Dimer of oleic acid, preparation, properties, ozonation, 1780.

Group C_{37}

37. III

$C_{37}H_{33}O_{10}N_3$. Delsemin, properties, purification, total alkaloids, saponification, 191.

Group C_{36}

38. II

$C_{36}H_{72}O_4$. Dimer of methyl oleate, preparation, properties, saponification, 1779.

38. III

$C_{38}H_{34}O_4N_2$. Biquinophthalone from tetramethylbiquinoline, synthesis, properties, 1477.

Group C_{40}

40. III

$C_{40}H_{38}O_4N_2$. Biquinophthalone from hexamethylbiquinoline, synthesis, properties, 1477.

$C_{40}H_{38}O_6N_2$. Biquinophthalone from dimethyldimethoxybiquinoline, synthesis, properties, 1477.

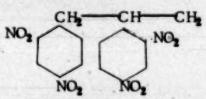
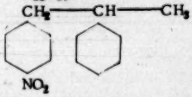
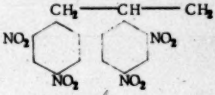
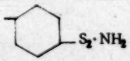
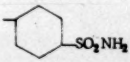
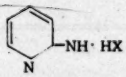
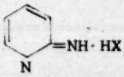
$C_{40}H_{60}O_{10}N_4$. Carbobenzoxy derivative of tyrosinamidine, 319.

Group C_{53}

53. II

$C_{53}H_{86}O_{18}$. Saponin of the roots of Patrinia intermedia R et Schult, isolation, structure, hydrolysis, 1049.

ERRATUM

Page	Line No.	Reads	Should Read
154	20 from top	$C_{15}H_9O_2N_4$	$C_{15}H_{10}O_2N_4$
336	15 from top	$(C_{11}H_{17}O_3)_2$	$C_{11}H_{17}O_3N_3$
574	2 from top	2-phenylpropanol-2	2-phenylbutanol-2
679	7 from top	$Cd(NH_3)_6^{++}$	$Cd(NH_3)_p^{++}$
734	17 from top	$C_{16}H_{11}N$	$C_{11}H_{17}N$
742	16 from top		
742	18 from top		
877	15 from bottom	$C_{19}H_{23}O_2N$	$C_{19}H_{23}O_2N$
992	last line	$C_{16}H_{13}O_3N_3$	$C_{16}H_{13}ON_3$
1098	Table, Col. 7, 8th line	0.00118	0.0118
1150	10 from top (formula)		
1230	5 from top	$C_7H_{12}O$	$C_{17}H_{14}O$
1240	Table Col. 2, line 1	N_2HPO_4	Na_2HPO_4
1241	25 from top	$C_{16}H_{23}O_3$	$C_{16}H_{22}O_3$
1249	Formula		
1428	21 from top	$C_{18}H_{22}N_2S_4$	$C_{18}H_{22}N_2S_6$
1458	Table, substance	naphtholsulfo acid	naphthol-2-sulfo acid
1499	Table, col. 5, 11 from bottom	Peritectic F_1	(should be 2 lines lower)
1619	Throughout the paper	sulfur trioxide	sulfur dioxide
1674	11 from bottom	p-ditolylglycolic acid	p,p'-ditolylglycolic acid
1675	7 from top	n,n'-ditolylglycolic acid	p,p'-ditolylglycolic acid
1683	Literature Ref. [8]	1544	1528 (See Consultants Bureau English Translation, p. 1673).
1698	Literature Ref. [1]	1371	1540 (See Consultants Bureau English Translation, p. 1689).
1708	Table 6, Col. 8, Line 13	19.14	79.14
1709	19 from bottom	$3(K_2O \cdot 3MoO_3)$	$3(K_2O \cdot 2MoO_3)$
1709	19 from bottom	KMo_4O_{13}	$K_2Mo_4O_{13}$
1814	23 from top	p-Acetaminophenacyl	p-Aminophenacyl

Page	Line No.	Reads	Should Read
1901	3 from bottom	$C_{19}H_{21}O_2N_2$	$C_{19}H_{20}O_2N_2$
2069	8 from top	ArBr	AgBr
2112	19 from top	$C_{13}H_{11}O_5N$	$C_{13}H_{11}O_5N_2$
2120	4 from top	$C_{16}H_{19}N_3$	$C_{16}H_{19}N_3S$